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SUPREME COURT OF THE UNITED STATES

No. 1. Original

THE STATE OF NEW MEXICO, COMPLAINANT

v.

THE STATE OF COLORADO, DEFENDANT

REPORT OF THE BOUNDARY COMMISSIONER

PART ONE OF THREE

FROM NORTHEASTERN CORNER OF NEW MEXICO
TO THE SANGRE DE CRISTO RANGE

SUPREME COURT OF THE UNITED STATES

OCTOBER TERM, 1959

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PART ONE OF THREE
FROM NORTHEASTERN CORNER OF NEW MEXICO TO THE SANGRE DE CRISTO RANGE

JOSEPH C. THOMA,
Boundary Commissioner.

WASHINGTON, D. C., February 15, 1960.

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SUPREME COURT OF THE UNITED STATES

October Term, 1959

No. 1, Original

THE STATE OF NEW MEXICO, Complainant

vs.

THE STATE OF COLORADO, Defendant

FIRST REPORT OF THE BOUNDARY COMMISSIONER

To the Chief Justice and the Associated Justices of the Supreme Court of the United States:

In further continuation of our work as commissioners designated in the Decree of April 13, 1925 (268 U. S., 108) in the above entitled case, the late Arthur D. Kidder and I have run, located, and marked upon the ground the boundary line between the States of Colorado and New Mexico in accordance with Section Two of the Decree and the principles announced in the Opinion delivered January 26, 1925 (267 U. S. 30).

All field work was done under the supervision of Arthur D. Kidder, Boundary Commissioner. (Mr. Kidder died suddenly at his home in Terre Haute, Indiana, in June, 1958.)

On July 2, 1958, The Supreme Court of the United States appointed Joseph C. Thoma, of Washington, D. C., Boundary Commissioner, to complete the report and field notes of the boundary survey. Mr. Thoma was assisted in his duties by Gordon E. Ainsworth and Associates of South Deerfield, Massachusetts, and Phoenix, Arizona.

The report of the survey will be given in three parts, viz:

PART ONE:
From the Northeastern corner of New Mexico westward to the Crest of the Sangre de Cristo Range

PART TWO:
From the Crest of the Sangre de Cristo Range westward to the Continental Divide

PART THREE:
From the Continental Divide westward to the corners of the four States, Arizona, Colorado, New Mexico and Utah.

This report, Part One, represents an assimilation of tentative reports of Mr. Kidder, completed under Mr. Thoma's direction. The report follows.

SPECIFIC REPORT OF BOUNDARY COMMISSIONER

PART ONE

Northeastern corner of New Mexico westward to Crest of Sangre de Cristo Range

In accordance with the Decree, the control of the boundary survey was to be certain monuments established and accepted, prior to this dispute as marking the boundary.

The remaining monuments of these accepted surveys were used as absolute control for the remarking of the boundary, and where the monumentation of the line was lost due to the passage of time and events of history, the line between existing monuments was retraced in the field, using the records of the original survey and principles of surveying, as promulgated by the Department of Interior, Bureau of Land Management, and utilizing the extensive cadastral engineering knowledge of Mr. Kidder, the boundary was reestablished where it had been obliterated.

During the first period of the survey, an experienced field party, headed by Hugh B. Crawford, employed regularly by the General Land Office, was detailed to assist in the boundary survey, under the supervision of Arthur D. Kidder, Boundary Commissioner.

After reconstructing the Macomb Monument, the field party proceeded eastward, retracing and reestablishing the boundary as surveyed and marked in 1900 by Levi S. Preston, under contract with the Commissioner of the General Land Office. They then went back to the Macomb Monument, and proceeding westward, retraced and reestablished the boundary as surveyed and marked by Ehud N. Darling in 1868. The highlights of the above mentioned surveys, as well as others who partook in making this history, are covered in a chapter of this report entitled, "Historical Lines and Monuments," as well as in the Opinion (267 U. S. 30) January 26, 1925, of the Supreme Court of the United States.

In latter portions of this report, the field note records of the retracing and reestablishing of monuments on the boundary are enclosed with a map depicting the boundary line as surveyed. The one hundred and twenty-four and one-half miles of the boundary survey notes covered by this report have been broken down into fifteen units, each unit approximately eight miles long. The map covering each of these units has been inserted so that one may read the field notes and follow along the boundary at the same time.

The field notes and maps which have been included as part of this

report have been prepared in the format, with adaptations as necessary, as prescribed by "The Manual of Surveying Instructions, 1947," as issued by the Department of Interior, Bureau of Land Management.

The following tabulations are compiled from the records of the surveys by Darling, Preston and Carpenter, and from the field notes included in this report, to collaborate and make valid the monuments that mark the line today.

The Preston Line

Markers, the Preston Line (recorded number assumed as 100%)		100%
Markers found and destroyed by Carpenter	0%	
Markers recovered	67%	
Markers obliterated or lost beyond identification	33%	
Markers reestablished by Arthur D. Kidder		100%

The Darling Line

Markers, the Darling Line (recorded number assumed as 100%)		100%
Markers found and destroyed by Carpenter (recorded)	31%	
Markers recovered	69%	
Markers obliterated or lost beyond identification	31%	
Markers reestablished by Arthur D. Kidder		100%

In addition to the remarking of the boundary as decreed by the Court, numerous "new monuments were constructed in places where they would be conspicuous, for the aid of property owners, civil engineers, land surveyors, local officials and the public, whoever may have need for finding the location."

Tabulated below from the survey records is the destruction of the Carpenter line, which was also decreed by the Court in this case.

The Carpenter Line

Markers, the Carpenter Line (recorded number assumed as 100%)	100%
Markers found and destroyed by Arthur D. Kidder	100%

When known at the time of the survey that a Carpenter Monument was tied into local surveys or served other functions besides marking the boundary, only the identity of the monument as a boundary marker was destroyed. The actual iron post was preserved or remonumented, to fulfill its other functions.

All Carpenter Monuments were tied to the reestablished Darling line prior to their destruction, and a full and accurate record of Darling's monuments and their accessories as found during the retracements, as well as the reestablishment and reconstruction of all new monuments and accessories, are preserved in the field notes enclosed with this report.

The monumentation of this portion of the boundary was accomplished

primarily by the construction of concrete monuments molded in mass at the station, in galvanized metal forms, in the shape of truncated cones of the following sizes:

8" upper diam., 16" lower diam., 36" high
16" upper diam., 24" lower diam., 36" high
8" upper diam., 11" lower diam., 18" high

Heavy bronze tablets were set in the top of these concrete markers as well as in rock outcrops and selected stone markers.

An illustration of the heavy bronze tablet used to identify monument and points on the boundary is shown below, this tablet being marked with identifying Mile Corner or portion thereof, in the field, and properly orientated on the monument.

Westward, from the northeastern corner of New Mexico, the boundary crosses the southern ridges and cliffs of the Mesa de Mayo; the drainage is to the south, to the Cimarron River in New Mexico. The boundary reaches an elevation of 7000 ft. above sea level just south of Branson, Colo., about fifty miles along the boundary. From here for seventy miles much of the boundary follows close to the high divide between the Las Animas (or Purguitoire) River in Colorado, flowing to the Arkansas River, and the drainage southward to the head of the Cimarron River and a little farther west to the Canadian River in New Mexico. The Spanish Peaks in Colorado are in close view for many miles along this stretch of the boundary. The ascent continues to the crest of the Snowy Range at 10,800 ft. above sea level; from that divide the drainage is west to the Rio Grande.

Timber and Undergrowth

The boundary runs through timber and undergrowth for most of its length. The exceptions are across the San Luis valley and the line west from the last high point of the Mesa Verde and from there to the corner of the four states. These intervals are bare excepting for grass, and the grass depends entirely upon the seasonal moisture and the extent or absence of grazing. If moisture comes with the seasonal changes, and if it is not over-grazed, the grass may be very good, otherwise the soil may be bare.

Cottonwood timber is prevalent in the lower stream valleys. Cedar and pinon (pine) occur on the mountain slopes and mesas up to the 7000 ft. elevation, more or less scattering from the east until beginning the mountain ascents south from Branson, Colo. On the western slopes and high mesa tops, however, it is very large and growing densely, mile after mile, greatly retarding the progress of the survey. The Colorado yellow pine, or Ponderosa pine, occurs on the mountain slopes nearly everywhere after reaching the 7000 ft. elevation. Higher up the aspen occurs in dense stands, then the spruce, and last the fir to timberline, which was reached at 11,600 ft. on Boundary Peak.

The undergrowth consists of many mixed species through the eastern part of the boundary, retarding the survey in places, but not so bad in terms of progress. This condition changes completely on the summit of the Chama Range, the west slope of which abounds in a very thick growth of young oak, large and dense—mainly the cause, it is believed, for the discrepancy in the alignment of the boundary beginning at that summit and running to the crest of the continental divide. There the alignment straightens out, but the 1868 marking was discontinued entirely before reaching Eweli Canon on the west slope.

The Land Grants

This portion of the boundary crosses two large Spanish land grants. The

Maxwell Grant was entered at a point about eight miles east of Raton Pass, that being on the divide between Trinidad, Colo., and Raton, New Mexico. This grant continues to the crest of the Snowy Range, or Sangre de Cristo Range as it was named by the Spanish. There the boundary enters the Sangre de Cristo Grant which extends to the Rio Grande.

Headquarters and Supplies

Trinidad, Colo., was used as the headquarters and supply point for the boundary survey from the northeastern corner of New Mexico westward to the Rio Grande. Saddle horses and pack horses, and the needed packers, were furnished by the large Wm. & H. J. Heck ranch, high in the mountains of Colfax County, New Mexico, for packing in the supplies, and for moving the party camp along the line the entire distance from the northeastern corner of New Mexico westward to the San Juan River.

Personnel

During the first period of the survey an experienced field party, headed by Hugh B. Crawford, employed regularly by the General Land Office, was detailed to assist in the boundary survey. After the suspension of field operations, and upon resuming the work in 1947, the assistants were recruited from Bayfield, Durango, and Kline, in Colorado, and from Farmington, La Plata, and Shiprock in New Mexico, the latter including three Navajo assistants. The technically trained and experienced transitmen and principal assistants were drawn from elsewhere. The latter includes particularly Joseph C. Thoma of Washington, D. C., and Harvey A. Brashiers of St. Paul, Arkansas, both of whom were employed for many years on the General Land Office surveys, Mr. Thoma especially having had a very wide and extended experience. (He is the recipient of the award for meritorious service conferred by the Department of the Interior subsequent to his retirement from the General Land Office.) Mr. Brashiers had fewer years of experience, but outstanding qualifications.

Mr. Crawford is familiar with all phases of the boundary survey from the northeastern corner of New Mexico westward to the San Juan River. Mr. Thoma from there to the corner of the four states. Mr. Brashier was on the survey from the San Juan River westward to the Pine River, and again for that part of the boundary westward from the westernmost high cliff of the Mesa Verde to the corner of the four states.

Through his astronomical observations for precise location in latitude and in his early retracements of portions of the boundary for the identification of the marks of the 1868 survey, dating back to 1902, Mr. Kidder has lived with the questions, disputes, and location of the line between Colorado and New Mexico. Among those who were drawn upon for testimony during the

trial of the suit, he was one of the few surveyors still engaged in large-scale land surveying work. The early work, together with that as the commissioner on the boundary survey, has given an acquaintance and intimate familiarity that is complete from one end of the boundary to the other. It is with utmost satisfaction that the boundary survey has been carried through to completion in the knowledge that every detail has been accomplished in full accord with the decree of the Supreme Court.

In the following chapter, the highlights of earlier surveys, with all the interesting ramifications, have been enlisted to acquaint readers with the basic events which have resulted in the need for this report.

Immediately following the above described chapter are descriptions of the two monuments specifically mentioned in the decree as controlling: "The Macomb Monument" and "The Preston Monument," as they were found and reconstructed. These two monuments in field note format are also included in their proper positions in the field notes.

The foregoing and following portions of this report are respectfully submitted to the Chief Justice and the Associate Justices of the Supreme Court of the United States for their approval.

Your humble and obedient servant,

JOSEPH C. THOMA
Boundary Commissioner

COLORADO—NEW MEXICO BOUNDARY

HISTORICAL LINES AND MONUMENTS

COLORADO – NEW MEXICO BOUNDARY

Historical Lines and Monuments

The Supreme Court of the United States in its Decree of April 13, 1925 (268 U. S. 108) stipulated certain lines and monuments that are controlling for the location of the boundary, which were to be identified and employed for the retracement and reestablishment of the boundary.

These monuments are:

1. The Preston Monument, 1900, marking the northeastern corner of New Mexico.
2. The Macomb Monument, west of which Darling established the Colorado–New Mexico Boundary in 1868 and east of which Major established the southern Colorado boundary in 1874.

The field notes of the early surveys which are referred to were filed in the General Land Office, Department of the Interior, and bear official approval. Transcripts were supplied with the record that was submitted to the Court.

The remaining original monuments and markers, as of the date of the retracement, are described just as identified, followed by a statement of the detail with respect to the construction of the new monument and reference marks in the field notes. Many additional new monuments were constructed in places where they would be conspicuous for the aid of property owners, civil engineers, land surveyors, local officials, and the public, whoever may have need for finding the location.

The earliest marker on the 37th parallel (Field notes, See Darling Line 2nd Mile) was established in 1857, by Colonel Joseph E. Johnston, U. S. Army, then intended to be the terminal point of his survey of the southern boundary of the Territory of Kansas. That line was surveyed by measurements along the 37th parallel, starting from the western boundary of the State of Missouri. Before leaving the terminal point, astronomical observations were made by the method of moon culminations in order to verify the accuracy of the longitude. Later, in Washington, after a comparison was made with the corresponding moon declinations in terms of Greenwich time it was ascertained that the Johnston Monument had been placed a considerable distance too far west. The measurement in 1928 ascertained that the Johnston marker is 4.36 miles west, counting from the established northeast corner of New Mexico, the Preston Monument.

Captain J. N. Macomb, Corps of Topographical Engineers, was instructed to correct the discrepancy in the longitude of the Johnston Monument, which he did in November, 1859, as stated in the report of A. A

Humphreys, Brigadier General and Chief of Engineers, Engineer Department, by letter dated April 22, 1867, addressed to the Commissioner of the General Land Office.

In 1868, Ehud N. Darling, U. S. Surveyor and Astronomer, surveyed the boundary westward from the Macomb Monument, marking the line between the Territories of Colorado and New Mexico for a distance of 331 and ¾ miles to the 109th Meridian, according to the Darling field notes.

In 1874, John J. Major, U. S. Surveyor and Astronomer, surveyed the easterly portion of the southern boundary of the Territory of Colorado, running and marking the line of the 37th parallel westerly from the 102nd Meridian and terminating at the Macomb Monument, a distance of 55 and ¼ miles.

The subdivisional surveys in southeastern Colorado were closed on the Darling and Major Lines.

The 103rd Meridian was established in 1881, under the direction of the Commissioner of the General Land Office by Richard O Chaney and William W. Smith, U. S. Surveyors and Astronomers.

The true position in longitude was determined by astronomical observations and telegraphic exchange of time signals at Las Animas, Colorado, from which place the meridian was carried southward. After reaching their 37th parallel, Chaney and Smith established monuments at every ½ mile interval to the parallel of 36° -30′ North Latitude. This line is known as the "Cimarron Meridian," one of the principal meridians of the United States rectangular system of public land surveys, and it has come to be the boundary between the State of Oklahoma and New Mexico. Southward from the 37th parallel of Chaney and Smith, this line served as the survey for the establishment and marking of the townships surveys in Beaver County, Oklahoma, later divided into the present Beaver County, Texas, and Cimarron County, Oklahoma.

In 1900, Levi S. Preston, U. S. Deputy Surveyor, employed the Macomb Monument in retracing the Major line eastward to his 103rd parallel, a distance of 2 and ½ miles, where he established a monument to mark the northeastern corner of New Mexico. In 1900, the New Mexico township surveys were extended to and closed upon Preston's retracement of the Major line as the northern limits and Chaney and Smith's 103rd Meridian as the eastern limit. This survey did not encroach upon, disturb or affect the township surveys either in Colorado or Oklahoma.

RECONSTRUCTION

Macomb Monument

As identified in October, 1928, the Macomb Monument consisted of a mound of rough native stone, having a base diameter of 10 feet, and a height of 4 feet. Within the mound there was a marked 14x12x4 inches sandstone, one face of which carried the letters WL and the opposite face NL. The marked stone showed evidence of having been broken from a larger stone (Carpenter 333rd Mile); the companion piece, carrying other marks, could not be found.

Preserving the center point of the mound, Arthur D. Kidder removed the marked stone and excavated at the base 12 inches to bed rock, and then constructed a concrete monument, in a circular metal form, 16 inches upper diameter, 24 inches lower diameter, 36 inches high, with a bronze tablet seated in the top; marked Supreme Court of the United States, Colorado on the northern half, New Mexico on the southern half, and Mile Corner No. 0. 1868-1925; replaced the marked stone in the mound, and rebuilt the mound to a base diameter of 12 feet, 2 feet high, to the top of and surrounding the concrete monument.

The Macomb Monument is located on the line between Baca County, Colorado, and Union County, New Mexico, on the top and near the east side of a narrow mesa, one of the extreme southeastern points of the Mesa de Maya. This point is situated between the two principal forks of Blacksmith Canon; the junction of the forks bears S. 55° E. about an even mile's distance. The mesa here stands 350 feet above the valley of the eastern fork of the canon, and the elevation of the Macomb Monument is 4887 feet above sea level.

The geographic position of the Macomb Monument (geodetic, as calculated in 1928) is:

North Latitude	37° 00′ 00.46″
West Longitude	103° 02′ 50.12″

RECONSTRUCTION

Preston Monument

As identified, the Preston Monument, marking the northeastern corner of New Mexico, consisted of a 60x12x10 inches sandstone, firmly set, marked COLO on the north face, CM on the east face, NE COR NM on the south face and CC 1900 on the west face, with evidence of pits north, south and west, and a mound of earth and stone west of the monument.

Preserving the center point, Arthur D. Kidder buried the Preston stone and set a 48x10x10 inches granite stone, with the lower 16 inches supported in a 36x36x24 inches concrete base, the base set 20 inches in the ground. The faces of the granite stone were neatly lettered COLORADO on the northeast and northwest, NEW MEXICO on the southwest, and OKLAHOMA on the southeast.

The Preston Monument is located in a wide valley which above here, in Colorado, merges into the basin of Furnish Canon Creek; the latter drains southeasterly into Carrizo Creek, which flows from Colorado into Oklahoma. The valley of Blacksmith Canon Creek is situated on the New Mexico side of the boundary, the valley merging with the valley of Carrizo Creek, which flows into the Cimarron River in Oklahoma. The elevation of the Preston Monument is 4444 feet above sea level.

The geographic position of the Preston Monument (geodetic, as calculated in 1922) is:

North Latitude	37° 00′ 00.645″
West Longitude	103° 00′ 00.777″

Before leaving this location, Arthur D. Kidder made connections to other established points, as follows:

Beginning at the Preston northeastern corner of New Mexico, as reconstructed, a monument established by Chaney and Smith to mark the point of intersection of the 103rd meridian with their parallel of 37° 00′, bears N. 0° 04′ W., 14.07 chains distance; a gray sandstone, 16x24x52 inches above ground, marked Colorado on north, 37° N L on east, 103° W L on west, and 1881 on south face.

Beginning again at the Preston monument, the corner of sections 7 and 18, on the Cimarron Meridian, on the west boundary of Township 6 North, Range 1 East, Cimarron Meridian, Oklahoma, also established by Chaney and Smith, bears S. 0° 02′ W., 28.63 chains distance; a zinc cone, 6 inches diameter at top, 8 inches diameter at ground, standing 12 inches above ground, firmly set, marked C M T 6 N R 1 E on east, S 7 on northeast, and S 18 on southeast face.

Beginning again at the Preston monument, the Carpenter 335th Mile Corner bears S. 83° 30′ E., 9.20 chains distance; an iron post, firmly set and

witnessed by pits; removed this monument.

Beginning again at the Preston monument, the closing corner of sections 13 and 14, Township 35 South, Range 50 West, Sixth Principal Meridian, Colorado, bears S. 84° 12′ E., 31.06 chains distance; an iron post, 2 inches diameter, 12 inches above ground, firmly set, marked and witnessed as described in the official record.

Beginning again at the Preston monument, the closing corner of sections 7 and 8, Township 6 North, Range 1 East, Cimarron Meridian, Oklahoma, bears S. 84° 12′ E., 79.96 chains distance; a sandstone, 15x1x6 inches above ground, firmly set, marked CC on south, with 5 grooves on east, and 1 groove on west face; evidence of pits east, west and south of corner.

Beginning at the Oklahoma closing corner, last described above, the Major 50.5 Mile Corner bears N. 89° 21′ E., 124.72 chains distance; a mound of stone, 3 foot base, 1½ foot high; the marked stone has been removed.

COLORADO AND NEW MEXICO BOUNDARY

FIELD NOTES AND MAP OF SURVEY

MILE CORNER No. 0

to

MILE CORNER No. 4

This portion of the boundary survey was executed with a Buff and Buff engineer's transit equipped with an improved Smith Solar attachment, the horizontal circle has two double opposite verniers reading to single minutes; the vertical circle has one double vernier reading to single minutes. The instrument was in good condition and was placed in satisfactory adjustment prior to the beginning of the survey, and was tested and found free from appreciable error. Frequent tests were made throughout the survey.

The tangent method of surveying a parallel of latitude was selected; the controlling meridian was established by observations on Polaris; the bearing of the tangent was deflected from the meridian by repetition of angles and carried forward by transit line, taking the mean of direct and reversed sights at each instrument station. Frequent observations on Polaris and direct observations on the sun for azimuth were made throughout the survey to test the azimuth of the tangent.

Measurements were made with a narrow steel tape, 5 chains in length, graduated every link for the first 100 links, and thereafter at intervals of ten links. The tape was tested by comparison with a 1 chain standard steel tape and found correct. Measurements were made on the slope and the vertical angles determined by a clinometer in good adjustment; the field notes show the horizontal equivalents.

THE MACOMB MONUMENT

As identified in October, 1928,

The Macomb Monument (Opinion, p. 2, par. 1; Decree, sec. 2), a broken sandstone, 14x12x4 ins., firmly set within a mound of stone, 10 ft. base diam., 4 ft. high, mkd. W L and N L on opposite faces. The companion piece (Carpenter 333rd Mi.) which originally carried other marks, could not be found.

In place of stone

Construct a concrete monument, in a circular metal form, 16 ins. upper diam., 24 ins. lower diam., 36 ins. high, set 12 ins. in the ground on bed rock, with heavy bronze tablet seated in the top marked The Supreme Court of the United States, Colorado on the northern half, New Mexico on the southern half, Mile Corner 1868-1925, and build a mound of stone around the monument having 12 ft. base diam., 2 ft. high, replacing the original stone within the mound. The elevation of the monument is 4887 ft.

The geographic position (geodetic, as calculated in 1928) is:

North Latitude 37° 00′ 00.46″
West Longitude 103° 02′ 50.12″

THE PRESTON LINE, 1ST MILE

RETRACEMENT

Chains

Beginning at the Macomb monument, as reconstructed.

East, on a retracement of the Preston boundary, on a transit line describing a tangent.

21.00 Altitude observation on the sun for azimuth, Oct. 27, 1928.

80.00 N. 0.8 lks. to the parallel; the 1st Mi. Cor. has become obliterated.

160.62 N. 3.0 lks. to the parallel, thence the 2nd Mi. Cor. bears N. 23.9 lks. dist.

200.87 N. 4.7 lks. to the parallel; thence the Preston northeastern corner of New Mexico (Opinion, p. 2, par. 4; Decree, sec. 2) bears N. 29.4 lks. dist.; on this determination the true line bears N. 89° 55' E.

REESTABLISHMENT

Thence from the Macomb monument, as reconstructed, N. 89° 55' E., on a reestablishment of the 1st mile.

Descend gradually on mesa, through scattering timber and undergrowth.

1.00 Top of rim rock, bears N. 10° E. and S. 10° W.; abrupt descent of 250 ft.

11.00 Bottom of canon, course NE.; ascend 80 ft.

21.00 Spur from mesa, slopes N.; descend 150 ft.

30.50 Leave scattering timber and undergrowth; enter valley.

38.10 Arroyo, North Fork of Blacksmith Canon, course S. 30° E., elevation 4540 ft.; ascend gradually.

47.00 Leave valley; ascend 270 ft. over broken W. slope.

48.67 The closing cor. of Tps. 32 N., Rs. 36 and 37 E., NM Prin. Mer., New Mexico, bears South, 0.6 lks. dist., a sandstone, 12x10x16 ins. above ground, firmly set, marked and witnessed as described in the official record.

56.00 Rim rock, bears N. 16° W. and S. 23° E.; enter scattering timber.

56.32 The Carpenter 333.08 Mi. Cor. bears South, 96 lks. dist.; an iron post, firmly set in a mound of stone; I remove this monument.

Chains

THE PRESTON LINE, 1ST MILE

56.50 A narrow ridge, bears N. and SE.

58.50 Top of rim rock, bears NE. and SW. turning to SE.; abrupt desce of 215 ft.; leave scattering timber.

65.00 Base of abrupt descent; thence along base of steep N. slope.

70.61 Angle point No. 4 of Tract No. 48, of T. 35 S., R. 50 W., Sixth Pr Mer., Colorado, bears North, 2 lks. dist., an iron post, 1 in. diar 14 ins. above ground, firmly set, marked as described in t official record.

71.44 The closing cor. of secs. 15 and 16, T. 35 S., R. 50 W., Sixth Pr Mer., Colorado, bears North, 1 lk. dist., an iron post, 2 ins. dia 14 ins. above ground, firmly set, marked and witnessed as scribed in the official record.

80.31 The proportional point; unable to identify Preston's 1st Mi. Cor Construct a concrete monument, in a form 8x14x36 ins., set 24 i in the ground, with tablet seated in the top marked Mile Cor No. 1, 1900-1925; and build a mound of stone around the mo ment.

Land, mountainous.

Soil, sandy and stony; 3rd and 4th rate.

Timber, scattering cedar; undergrowth, scattering oak and ser brush.

THE PRESTON LINE, 2ND MILE

REESTABLISHMENT

N. 89° 55' E., on a reestablishment of the 2nd mile.

Along base of N. slope, and south side of valley.

48.76 The closing cor. of secs. 19 and 20, T. 32 N., R. 37 E., NM P Mer., New Mexico, bears South, 3.5 lks. dist., a sandstone, 8x ins. above ground, firmly set, mkd. CC on S. face; the s appears to have been broken; evidence of pits E., W. and S., small mound of earth and stone S. of cor.

49.69 The Carpenter 334th Mi. Cor. bears South, 1.01 chs. dist.; an post, firmly set in a mound of stone; I remove this monumen

60.00 The mesa on the south bears SE.; enter valley, which widens.

Chains

THE PRESTON LINE, 2ND MILE

71.32 The closing cor. of secs. 14 and 15, T. 35 S., R. 50 W., Sixth Prin. Mer., Colorado, bears South, 1 lk. dist., an iron post, 2 ins. diam., 10 ins. above ground, firmly set, marked and witnessed as described in the official record.

80.31 Preston's 2nd Mi. Cor.: a sandstone, 18x9x6 ins., firmly set, mkd. C on N., NM on S., and 2 M on W. face; evidence of pits E. and W. of cor.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 20 ins. in the ground, with tablet seated in the top marked Mile Corner No. 2, 1900-1925.

Land, 60 chs. broken, 20 chs. valley.

Soil, sandy clay and stony; 2nd and 3rd rate.

No timber.

THE PRESTON LINE, 3RD MILE

THE NORTHEASTERN CORNER OF NEW MEXICO

REESTABLISHMENT.

N. 89° 55' E., on a reestablishment of the 3rd mile.

Descend gradually in valley.

36.40 Wagon road, not graded at this point, bears N. to Furnish Canon, SW. to Blacksmith Canon, and SE. to Carrizo Creek, Cimarron River, and Kenton, Oklahoma, 9 mi. dist.

40.25 Preston's northeastern corner of New Mexico (Opinion, p. 2, par. 4; Decree, sec. 2), a sandstone, 60x12x10 ins., firmly set, mkd. ~~COLO on N., CM on E., NE Cor NM~~ on S., and CC 1900 on W. face; evidence of pits N., S., and W., and mound of earth and stone W. of monument.

In place of stone

Set a granite stone, 48x10x10 ins., set 16 ins. in concrete base 36x36x24 ins., 20 ins. in the ground, mkd. COLORADO on NE. and NW., NEW MEXICO on SW., and OKLAHOMA on SE. face;

from which

Chaney and Smith's monument, marking their intersection of 103rd meridian and 37th parallel, bears N. 0° 04' W., 14.07 chs.

Chains

THE PRESTON LINE, 3RD MILE

dist.: a grey sandstone, 16x24x52 ins. above ground, mkd. COLORADO on N., 37° NL on E., and 103° WL on S., 188! on W. face.

Cor. of secs. 7 and 18, T. 6 N., R. 1 E., Cim. Mer., Oklahoma, bears S. 0° 02′ W., 28.63 chs. dist.; a truncated zinc cone, 6 ins. top diam., 8 ins. at ground, 12 ins. above ground, firmly set, mkd. C M T 6 N R I E on E., S 7 on NE., S 18 on SE. face.

The Carpenter 3. 5th Mi. Cor. bears S. 83° 30′ E., 9.20 chs. dist.; an iron pipe, firmly set and witnessed by pits; I remove this monument.

The closing cor. of secs. 13 and 14, T. 35 S., R. 50 W., Sixth Prin. Mer., Colorado, bears S. 84° 12′ E., 31.06 chs. dist.; an iron post, 2 ins. diam., 12 ins. above ground, firmly set, marked and witnessed as described in the official record.

The closing cor. of secs. 7 and 8, T. 6 N., R. 1 E., Cim. Mer., Oklahoma, bears S. 84° 12′ E., 79.96 chs. dist.; a sandstone, 15x1x6 ins. above ground, firmly set, mkd. CC on S., with 5 grooves on E., and 1 groove on W. face.

From the above stone

The Major 50.5 Mi. Cor. bears N. 89° 21′ E., 124.72 chs. dist.; a mound of stone, 3 ft. base, 1½ ft. high; the marked stone has been removed.

The elevation at the Preston monument is 4444 ft. above sea level.

The geographic position (geodetic, 1922) is:

North Latitude 37° 00′ 00.645″
West Longitude 103° 00′ 06.777″

Land, valley.

Soil, sandy clay, 3rd rate.

No timber.

THE DARLING LINE, 1ST MILE

RETRACEMENT

Beginning at the Darling 3rd Mi. Cor., as identified and hereinafter described,

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.00 N. 0.8 lks. to the parallel; the 2nd Mi. Cor. has become obliterated;

THE DARLING LINE, 1ST MILE

Chains

altitude observation on the sun for azimuth, Oct. 25, 1928.

160.00 N. 3.0 lks. to the parallel; the 1st Mi. Cor. has become obliterated.

238.32 N. 6.8 lks. to the parallel; thence the Macomb monument, as reconstructed, bears South, 93.5 lks. dist.; on this determination the true line bears N. 89° 47' W.

THE DARLING LINE, 1ST MILE

REESTABLISHMENT

Thence from the Macomb monument N. 89° 47' W., on a reestablishment of the Darling 1st mile.

Ascend gradually on mesa.

8.61 The closing cor. of secs. 16 and 17, T. 35 S., R. 50 W., Sixth Prin. Mer., Colorado, bears North, 5 lks. dist.; an iron post, 2 ins. diam., firmly set in a mound of stone, marked and witnessed as described in the official record.

9.60 Angle point No. 3, Tract No. 48, T. 35 S., R. 50 W., Sixth Prin. Mer., Colorado, bears North, 6 lks. dist.; an iron post, 1 in. diam., 14 ins. above ground, firmly set, marked as described in the official record.

15.50 Begin gradual descent.

19.50 Thence along the top and just under the edge of rim rock, bears N. 60° E. and W., breaking abruptly to the NE.

28.00 Leave rim rock, bears E. and N. 20° W.; ascend gradually.

29.73 The Carpenter 332nd Mi. Cor. bears South, 1.06 chs. dist.; an iron post, firmly set in a mound of stone; I remove this monument.

31.44 The closing cor. of secs. 23 and 24, T. 32 N., R. 36 E., NM Prin. Mer., New Mexico, bears North, 23 lks. dist.; a sandstone, 24x20x6 ins. above ground, firmly set, marked and witnessed as described in the official record.

57.00 On mesa, elevation 4965 ft.; descend gradually.

62.00 Begin abrupt descent of 260 ft. into canon; enter scattering scrub cedar timber, oak and service brush.

THE DARLING LINE, 1ST MILE

Chains

71.25 Bottom of canon, course S. 17 E.; ascend 210 ft. to corner

76.50 Top of steep ascent, bears N. 15 W. and S. 15 E.; continue gradual ascent.

79.44 The proportional point; 1st Mi. Cor. destroyed (Carpenter 327th Mi.).

Construct a concrete monument, in a form 8x14x16 ins., 20 ins. in the ground, with tablet seated in the top marked Mile Corner No. 1, 1868-1925, and build a mound of stone around the monument.

Land, mountainous.

Soil, sandy clay and stony; 2nd, 3rd and 4th rate.

Timber, scattering cedar; undergrowth, scattering oak and service brush.

THE DARLING LINE, 2ND MILE

REESTABLISHMENT

N. 89° 47' W., on a reestablishment of the 2nd mile.

Ascend 20 ft. over SE. slope, through scattering scrub cedar timber, oak and service brush.

1.60 Thence continue ascent over gradual SE. slope, near edge of mesa.

9.36 The closing cor. of secs. 17 and 18, T. 35 S., R. 50 W., Sixth Prin. Mer., Colorado, bears North, 25 lks. dist.; an iron post, 2 ins. diam., firmly set in ground and mound of stone, marked and witnessed as described in the official record.

16.30 On edge of mesa; descend gradually.

20.70 Gulch, course S. 20 E. turning to S. 45 E.; ascend 110 ft.

30.03 The Carpenter 331st Mi. Cor. bears South, 1.42 chs. dist.; an iron post, firmly set in a mound of stone; I remove this monument.

41.40 Top of ascent on mesa, elevation 5030 ft.; descend gradually.

46.40 Begin steep descent of 150 ft. into canon.

51.70 Bottom of box canon, course S. turning to S. 30 E.; abrupt ascent of 210 ft.

58.60 Top of abrupt ascent; ascend gradually.

The Darling Line, 2nd Mile

Chains

67.00 On point of mesa extending S. 20 E., elevation 5045 ft.; descend gradually.

68.58 The Johnston monument (see "Historical Lines and Monuments") bears North, 28 lks. dist.; a sandstone, 18x10x4 ins., lying on the ground at the center of a circular trench, 24 ft. in diam., mkd. 103 L., 37 L. and 1874 NM Major, on three faces.

76.00 Begin steeper descent into gulch.

79.44 The proportional point; 2nd Mi. Cor. destroyed (Carpenter 327th Mi.).

Construct a concrete monument, in a form 8x14x36 ins., set 16 ins. in the ground on bed rock, with tablet seated in the top marked Mile Corner No. 2, 1868-1925, and build a mound of stone around the monument.

Land, mountainous.

Soil, sandy clay and stony; 2nd, 3rd and 4th rate.

Timber, scattering scrub cedar; undergrowth, scattering oak and service brush.

The Darling Line, 3rd Mile

REESTABLISHMENT

N. 89 47' W., on a reestablishment of the 3rd mile.

Descend 140 ft. into gulch, through scattering oak and service brush.

0.00 Gulch, course S. 20 W.; steep ascent of 100 ft.

11.96 The southwest corner of Baca County and southeast corner of Las Animas County, Colorado.

Construct a concrete monument, in a form 8x14x36 ins., set in a concrete base, on a sandstone outcrop, with tablet seated in the top marked Mile Corner No. 2 + 11.96 Chs., 1868-1925, and build a large mound of stone around the monument.

The closing cor. of Tps. 35 S., Rs. 50 and 51 W., Sixth Prin. Mer., Colorado, bears North, 11 lks. dist.; an iron post, 3 ins. diam., firmly set in a mound of stone, marked and witnessed as described in the official record.

18.50 On point of mesa; descend 210 ft. into canon.

Chains

THE DARLING LINE, 3RD MILE

22.79 The Carpenter 330.1 Mi. Cor. bears South, 1.76 chs. dist.; an ir post, firmly set in a mound of stone; I remove this monument a obliterate the marks on the bearing tree.

28.50 Canon, course S. turning to S. 45° E.; ascend 190 ft. to point mesa.

40.00 Point of mesa; thence over steep, broken S. slope, on N. wall fork of Blacksmith Canon.

73.20 Canon, 100 ft. deep, course S. 75° E.; ascend to corner.

79.44 Darling's 3rd Mi. Cor.; a sandstone, 10x10x3 ins., mkd. 3 M. posited under a small mound of stone.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set in concrete base on sandstone ledge, with tablet seated in the marked Mile Corner No. 3, 1868-1925, and build a large mou of stone around the monument.

Land, mountainous.

Soil, stony; 4th rate.

Timber, a few scattering scrub cedar; undergrowth, scattering and service brush.

THE DARLING LINE, 4TH MILE

RETRACEMENT

Beginning at the 4th Mi. Cor., as identified and hereinafter scribed,

East, on a retracement of the Darling boundary, on a transit describing a tangent.

79.83 N. 0.8 lks. to the parallel; thence the 3rd Mi. Cor. bears N. 18.5 dist.; on this determination the true line bears S. 89° 52′ W.

REESTABLISHMENT

Thence S. 89° 52′ W., on a reestablishment of the 4th mile.

Descend gradually near head of canon, through oak brush.

3.00 Ascend 130 ft. over brushy NE. slope.

Chains THE DARLING LINE, 4TH MILE

13.00 Top of rim, near head of canon, bears N. 20° W. and S. 60° E.; leave brush; thence cross nearly level mesa.

33.04 The Carpenter 329th Mi. Cor. bears South, 1.11 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the bearing tree.

35.50 Head of small canon, course S. 20° W.; oak brush in canon.

48.90 Head of canon, course S.; one fork of Blacksmith Canon.

79.83 Darling's 4th Mi. Cor.; a sandstone, 9x8x3 ins., mkd. 4 M, deposited 16 ins. below the surface.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 4, 1868-1925.

Land, nearly level mesa, except canons.

Soil, sandy and stony; 3rd rate.

No timber, except one cedar tree at the Carpenter 329th Mi. Cor.; undergrowth, oak brush in canons.

C O L O R A D O

LAS ANIMAS COUNTY

BACA COUNTY

T. 35 S., R. 51 W.

T. 35 S., R. 50 W.

Southeastern Plateau of the Mesa de Maya

North Fork

DARLING SURVEY — PRESTON SURVEY

Blacksmith Canon

4	3	2	1	0	1
S 89° 52' W 79.83	N 89° 47' W 79.44	N 89° 47' W 79.44	N 89° 47' W 79.44	N 89° 55' E 80.31	N 89° 55' E 80.31

+11.96

MACOMB MON.

T. 32 N., R. 36 E.

T. 32 N., R. 37 E.

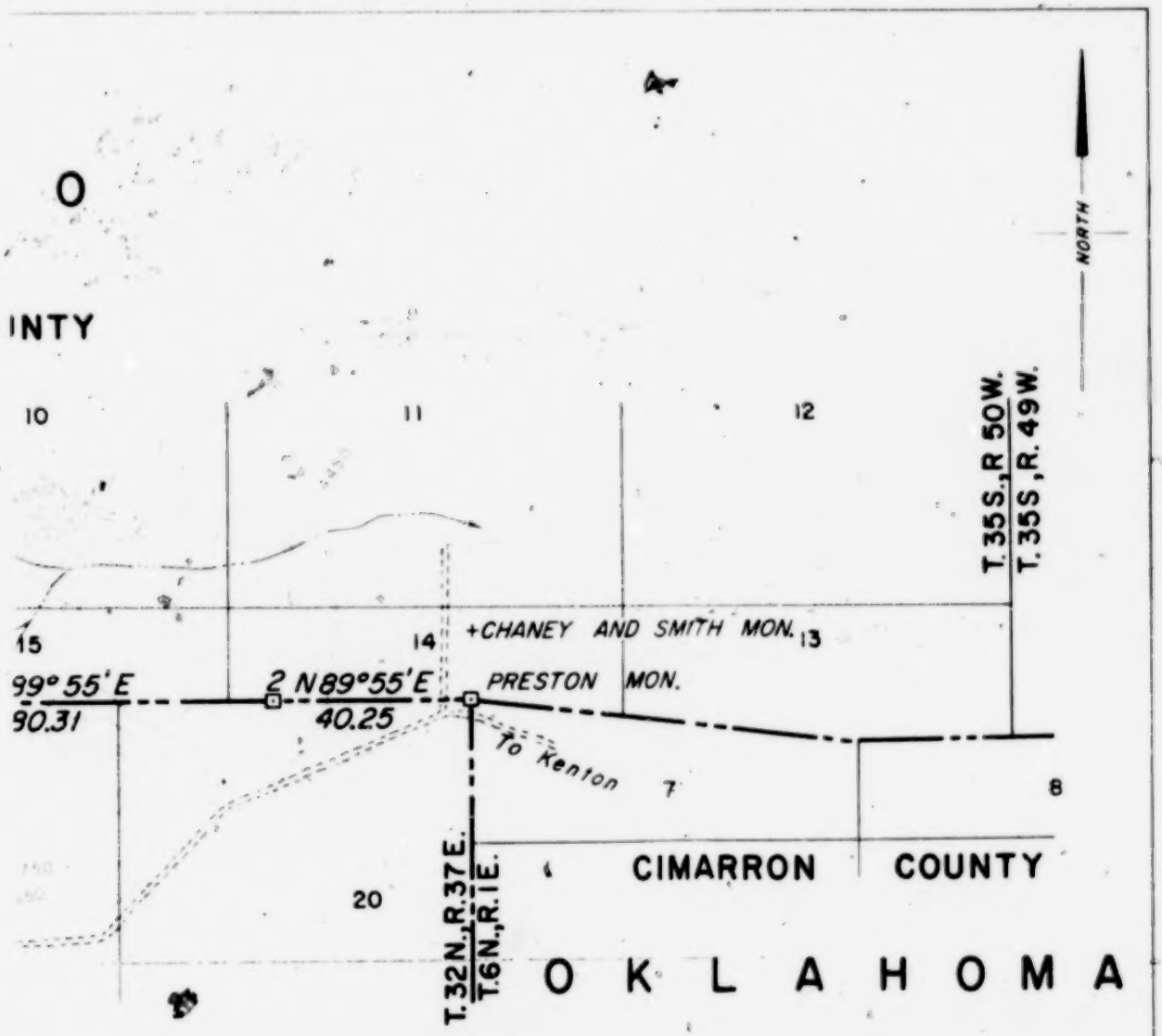
UNION COUNTY

N E W M E X I C O

SCALE

0 10 20 30 40

40 Chains to the inch



COLORADO AND NEW MEXICO BOUNDARY

This plat depicts the boundary line between the States of Colorado and New Mexico as reestablished by the late Arthur D Kidder, Boundary Commissioner, under the Decree (268 U.S. 108) of the Supreme Court of the United States, dated April 13, 1925

Joseph C. Thoma

Commissioner

COLORADO AND NEW MEXICO BOUNDARY

FIELD NOTES AND MAP OF SURVEY

MILE CORNER No. 5

to

MILE CORNER No. 14

THE DARLING LINE, 5TH MILE

Chains

RETRACEMENT

Beginning at the 5th Mi. Cor., as identified and hereinafter described.

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

78.29 Altitude observation on the sun for azimuth, Oct. 20, 1928.

80.33 N. 0 8 lks. to the parallel; thence the 4th Mi. Cor. bears N. 42.8 lks. dist.; on this determination the true line bears S. 89° 42' W.

REESTABLISHMENT

Thence S. 89° 42' W., on a reestablishment of the 5th mile.

Across nearly level mesa.

32.51 U.S.C. and G. S. reference station, bears S. 5.355 chs. dist.

33.28 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 4 + 33.28 Chs., 1868-1925;

from which

The Carpenter 328th Mi. Cor. bears South, 6 lks. dist.; an iron post, firmly set in ground and small mound of stone.

In place of post

Construct a concrete monument, 8x8x36 ins., set 24 ins. in the ground, with triangle templet seated in the top, and build a mound of stone around the monument; geographic position of this point by U. S. Coast and Geodetic Survey, 1922:

North Latitude 37° 00' 00.81"
West Longitude 103° 07' 35.90"

From the latter monument

A U. S. Coast and Geodetic Survey station, mkd. 328 ECC 1922 bears S. 0° 03' W., 5.05 chs. dist.

These two monuments stand near a fence corner; from which fence bears S. and E.

80.33 Darling's 5th Mi. Cor.; a basalt stone, 16x9x4 ins., lying on ground, mkd. C., NM, 5 M and 1868 on opposite faces; sandstone, 7x4x3 ins., mkd. M V, 12 ins. below the surface; sandstone, 5x4x3 ins., mkd. X, 12 ins. below the surface; depressions, 12 lks. dist., E. and W.

The Darling Line, 5th Mile

In place of stone
Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 5, 1868-1925.
Corner stands at about the highest point on the mesa; elevation 5163 ft.
Land, nearly level mesa near head of Blacksmith Canon and between Cimarron and Furnish Canons.
Soil, sandy loam, 2nd rate.
No timber.

The Darling Line, 6th Mile

RETRACEMENT

Beginning at the 7th Mi. Cor., as identified and hereinafter described.
East, on a retracement of the Darling boundary, on a transit line describing a tangent.
63.00 N. 0.8 lks. to the parallel; the 6th Mi. Cor. has become obliterated.
160.20 N. 3.0 lks. to the parallel; thence the 5th Mi. Cor. bears N. 61.2 lks. dist.; on this determination the true line bears S. 89° 47' W.

REESTABLISHMENT

Thence S. 89° 47' W., on a reestablishment of the 6th mile.
Across nearly level mesa.
The Carpenter 327th Mi. Cor. bears North, 1.07 chs. dist.; an iron post, firmly set; I remove this monument.
80.10 The proportional point; 6th Mi. Cor. destroyed (Carpenter 327th Mi.).
Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 6, 1868-1925.
Elevation of this corner is nearly the same as the 5th Mi. Cor., which is 5163 ft.
Land, nearly level mesa.
Soil, sandy loam; 2nd rate.
No timber.

THE DARLING LINE, 7TH MILE

REESTABLISHMENT

Chains

S. 89 47' W., on a reestablishment of the 7th mile. Descend very gradually on mesa.

12.00 Head of draw, course S. 30 W.; begin gradual ascent of SE. slope.

33.27 The Carpenter 326th Mi. Cor. bears North, 2.12 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

42.00 Begin gradual descent into the Cimarron Valley.

51.90 Begin descent of 550 ft. over steep brushy W. slope to corner.

59.50 Rim rock, bears S. and N.; turning to NW.

80.10 Darling's 7th Mi. Cor.; a sandstone, 12x10x4 ins., mkd. 7 M; deposited 12 ins. below the surface and under mound of stone.

In place of stone

"Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 7, 1868-1925."

Land, 52.00 chs. nearly level mesa, 28.00 chs. canon wall.

Soil, sandy and stony; 2nd and 4th rate.

No timber.

THE DARLING LINE, 8TH MILE

RETRACEMENT

Beginning at the 10th Mi. Cor., as identified and hereinafter described,

East on a retracement of the Darling boundary, on a transit line describing a tangent.

80.00 N. 0.8 lks. to the parallel; the 9th Mi. Cor. has become obliterated

161.00 N. 3.0 lks. to the parallel; thence the 8th Mi. Cor. bears N. 1.1 chs. dist.; altitude observation on the sun for azimuth, Oct. 19, 1928.

241.50 N. 6.8 lks. to the parallel; thence the 7th Mi. Cor. bears N. 1.665 chs. dist.; on this determination the true line bears S. 89 36' W.

hains

THE DARLING LINE, 8TH MILE

REESTABLISHMENT

Thence S. 89° 36′ W., on a reestablishment of the 8th mile.
Descend gradually over broken W. slope.

11.00 Base of hill, bears N. and S.; enter wide valley, which drains S. to the Cimarron River.

16.60 Arroyo, from Sheep Pen Canon, course S. 32° E., general course S., elevation 4498 ft.

32.05 The Carpenter 325th Mi. Cor. and Astronomical Monument No. 7 bears North, 3.32 chs. dist.; a sandstone, 10x12 ins. x 7 ft., firmly set in ground and mound of stone; I obliterate the marks and bury the stone.

80.50 Darling's 8th Mi. Cor.; a sandstone, 4x8x18 ins., firmly set, mkd. C on N., NM on S., 8 M on E., and 1868 on W. face; a sandstone, 2x6x6 ins., mkd. 8 M, 12 ins. below the surface.

In place of stone
Construct a concrete monument, in a form 16x24x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 8, 1868-1925.

Land, 16.00 chs. mountainous, 64.00 chs. nearly level valley.
Soil, sandy clay and stony; 2nd and 3rd rate.
No timber.

THE DARLING LINE, 9TH MILE

REESTABLISHMENT

S. 89° 36′ W., on a reestablishment of the 9th mile.
In valley.

6.10 Arroyo, course S. 5° E.

27.40 Arroyo, course S. 20° E.

31.90 The Carpenter 324th Mi. Cor. bears North, 2.83 chs. dist.; an iron post, firmly set in ground and small mound of stone; I remove this monument.

32.60 The closing cor. of secs. 21 and 22, T. 32 N., R. 35 E., NM Prin. Mer., New Mexico, bears North, 9.5 lks. dist., a red sandstone, 18x10x3 ins., loosely set, mkd. CC on S. face; old fence lines bear E., W. and S. from corner.

Chains

THE DARLING LINE, 9TH MILE

80.50 The proportional point, 9th Mi. Cor. destroyed (Carpenter 324th Mi.).

Construct a concrete monument, in a form 16x24x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 9, 1868-1925.

Land, nearly level valley.

Soil, sandy clay; 2nd rate.

No timber.

THE DARLING LINE, 10TH MILE

REESTABLISHMENT

S. 89° 36' W., on a reestablishment of the 10th mile.

In valley.

00.02 A sandstone, 12x12x4 ins. above ground, firmly set, mkd. NW COR SD NO 18 on S. face; bears North, 5 lks. dist.

28.60 Arroyo, course S. 10° E.

31.34 The Carpenter 323rd Mi. Cor. bears North, 2.31 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

80.50 Darling's 10th Mi. Cor.; a red sandstone, 4x8x34 ins., lying on the ground, mkd. C., NM., 10 M and 1868 on opposite faces; a sandstone, 4x4x16 ins., mkd. 10 M, 10 ins. below the surface.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 20 ins. in the ground, with tablet seated in the top marked Mile Corner No. 10, 1868-1925, and build a mound of stone around the monument.

Land, nearly level valley.

Soil, sandy clay; 2nd rate.

No timber.

THE DARLING LINE, 11TH MILE

RETRACEMENT

Beginning at the 14th Mi. Cor., as identified and hereinafter described,

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

.15 N. 0.7 lks. to the parallel; the 13 + 4.85 Mi. Cor. has become obliterated.

.00 N. 0.8 lks. to the parallel; the 13th Mi. Cor. was not established by Darling.

.00 N. 3.0 lks. to the parallel; the 12th Mi. Cor. has become obliterated; altitude observation on the sun for azimuth, Oct. 9, 1928.

.41 N. 6.8 lks. to the parallel; thence the 11th Mi. Cor. bears N. 58.4 lks. dist.

.88 N. 12.2 lks. to the parallel; thence the 10th Mi. Cor. bears N. 77.8 lks. dist.; on this determination the true line bears S. 89° 52′ W.

REESTABLISHMENT

Thence S. 89° 52′ W., on a reestablishment of the 11th mile.

Ascend gradually.

3.00 Base of bluff, bears NW. and SE.; leave valley, ascend 560 ft. over broken NE. slope.

7.00 Enter very scattering cedar and pinon timber, and scattering oak brush.

25.83 The Carpenter 322.05 Mi. Cor. bears North, 1.50 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

29.50 Top of narrow ridge, at S. edge of mesa, slopes SE., rim rock 40 ft. high on mesa, bears N. and NW.; abrupt descent of 520 ft.; elevation 5200 ft.

52.00 Base of abrupt descent, bears NW and SE.; leave scattering timber and undergrowth; enter wide valley, which drains S. to the Cimarron River.

74.30 Arroyo, course S. 10° E.; old earth dam immediately S.

Chains

THE DARLING LINE, 11TH MILE

80.47 Darling's 11th Mi. Cor.: a sandstone, 12x6x2 ins., lying on the ground, mkd. C., NM., 11 M and 68 on opposite faces.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 11, 1868-1925.

Land, 52.00 chs. mountainous, 28.00 chs. valley.

Soil, sandy clay and stony; 2nd and 4th rate.

Timber, scattering cedar and pinon; undergrowth, scattering oak brush.

THE DARLING LINE, 12TH MILE

REESTABLISHMENT

S. 89° 52' W., on a reestablishment of the 12th mile.

Across valley.

29.73 The Carpenter 321st Mi. Cor. bears North, 1.10 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

53.40 Arroyo, course S.; elevation 4630 ft.

80.47 The proportional point, 12th Mi. Cor. destroyed (Carpenter 321st Mi.).

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 12, 1868-1925, and build a mound of stone around the monument.

Land, nearly level valley.

Soil, sandy clay; 2nd rate.

No timber.

THE DARLING LINE, 13TH MILE

REESTABLISHMENT

S. 89° 52' W., on a reestablishment of the 13th mile.

In valley.

hains

THE DARLING LINE, 13TH MILE

20.46 The Carpenter 320th Mi. Cor. bears North, 11 lks. dist.; an iron post, firmly set in ground; I remove this monument.

38.00 Arroyo, course S. 15° E.; earth dam bears South, 4.00 chs. dist.

64.50 Arroyo, from short canon, course NE. from N. 60° E.; base of high mesa; enter scattering underbrush; ascend 250 ft. to corner.

80.47 The proportional point, the 13th Mi. Cor. was not established by Darling.

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in ground, with tablet seated in the top marked Mile Corner No. 13, 1868-1925, and build a mound of stone around the monument.

Land, 64.00 chs. nearly level valley, 16.00 chs. mountainous.

Soil, sandy clay and stony; 2nd and 4th rate.

No timber; undergrowth, scattering oak on slope of mesa.

THE DARLING LINE, 14TH MILE

REESTABLISHMENT

S. 89° 52' W., on a reestablishment of the 14th mile.

Ascend abruptly 260 ft.

5.70 Rim of mesa 40 ft. high, bears N. 36° E. and S. 25° W.; enter scattering cedar and pinon timber, and oak undergrowth.

28.63 The Carpenter 319th Mi. Cor. bears North, 8 lks. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

Descend 40 ft. to rim of mesa.

35.40 Rim of mesa 40 ft. high, bears N. 30° W. and S. 22° W.; descend 480 ft. over broken SW. slope.

57.00 Base of mesa, bears NW. and S.; leave scattering timber and undergrowth.

73.50 Arroyo in Miller Canon, course S. 20° E.; ascend 20 ft. to corner, elevation 4720 ft.

80.47 Darling's 14th Mi. Cor.: a sandstone, 8x6x1 ins., mkd. 14 M, deposited under mound of stone.

In place of stone

Chains

THE DARLING LINE, 14TH MILE

Construct a concrete monument, in a form 16x24x36 ins., set 28 ins. in the ground, with tablet seated in the top marked Mile Corner No. 14, 1868-1925, and build a mound of stone around the monument.

Land, 57.00 chs. mountainous, 23.00 chs. bottom of canon.

Soil, sandy clay and stony; 3rd and 4th rate.

Timber, scattering cedar and pinon; undergrowth, scattering oak brush.

C O L O R A

LAS ANIMAS COUNTY

T.35S., R.53W.
T.35S., R.52W.

7 8 9 10 11 12

18 17 16 15 14 13

14 S 89°52' W 80.47 13 S 89°52' W 80.47 12 S 89°52' W 80.47 11 S 89°52' W 80.47 10 S 89°36' W 80.50 9 S 89°36' W 80

Canon

22 23 24 19 20 21

T.32N., R.34E.
T.32N., R.35E.

Valley of the Cimarron

UNION COUNTY

N E W M E X

SCALE

0 10 20 30 40 80

40 Chains to the inch

L O R A D O

LAS ANIMAS COUNTY

T.35S., R.52W.
T.35S., R.51W.

11 12 7 8 9 10

Southeastern Plateau

14 13 18 17 16 15

S 89°36'W 80.50 | S 89°36'W 80.50 | S 89°36'W 80.50 | S 89°47'W 80.10 | S 89°47'W 80.10 | S 89°42'W 80.33

Canon

21 22 23 24 19

Mesa

+33.28

T.32N., R.35E.
T.32N., R.36E.

Mayo

the Cimarron River

UNION COUNTY

M E X I C O

SCALE

0 10 20 30 40 80

40 Chains to the Inch

NORTH

COLORADO AND NEW MEXICO BOUNDARY

This plat depicts the boundary line between the States of Colorado and New Mexico as reestablished by the late Arthur D Kidder, Boundary Commissioner, under the Decree (268 US 108) of the Supreme Court of the United States, dated April 15, 1925

Joseph C. Thoma
Commissioner

COLORADO AND NEW MEXICO BOUNDARY

FIELD NOTES AND MAP OF SURVEY

MILE CORNER No. 15

to

MILE CORNER No. 22

Chains THE DARLING LINE; 15TH MILE

RETRACEMENT

Beginning at the 16th Mi. Cor., as identified and hereinafter described,

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.00 N. 0.8 lks. to the parallel: the 15th Mi. Cor. was not established by Darling.

112.00 Altitude observation on the sun for azimuth, Oct. 8, 1928.

160.12 N. 3.0 lks. to the parallel; thence the 14th Mi. Cor. bears N. 70° lks. dist.; on this determination the true line bears S. 89° 45' W.

REESTABLISHMENT

Thence S. 89° 45' W., on a reestablishment of the 15th mile.

In Miller Canon.

2.60 Low spur, slopes S.

8.50 Arroyo from short canon, course S. 40° E. from S. 50° E.

18.50 Base of hill, bears NW. and SE.; enter scattering timber-and undergrowth; ascend 140 ft. over broken NE. slope.

23.98 The Carpenter 318.05 Mi. Cor. bears South, 6 lks. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the two bearing trees.

28.00 Ascend gradually along N. slope.

80.06 The proportional point; the 15th Mi. Cor. was not established by Darling.

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 15, 1868-1925, and build a mound of stone around the monument;

from which

A pinon, 6 ins. diam., bears S. 0° 30' W., 42 lks. dist., mkd. X 15 M BT.

Land, 18.00 chs. bottom of canon, 62.00 chs. mountainous.

Soil, sandy and stony; 3rd and 4th rate.

Timber, scattering cedar and pinon; undergrowth, scattering oak and service brush.

THE DARLING LINE, 16TH MILE.

REESTABLISHMENT

S. 89° 45' W., on a reestablishment of the 16th mile.
Along N. slope, through scattering timber and undergrowth.

1.50 Descend 100 ft. to gulch.

15.50 Gulch, course N.; ascend 50 ft. to spur.

18.50 Spur from mesa, slopes N.; descend 40 ft.

23.50 Arroyo, course N. 60° E.; thence up arroyo.

26.30 Leave arroyo, course turning from N. 80° E. to E.

26.95 The Carpenter 317th Mi. Cor. bears North, 4 lks. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

31.00 Arroyo, course turning from SE. to S. 80° E.

48.00 Arroyo, course N. 80° E.; ascend 270 ft. over steep SE. slope.

60.00 Top of abrupt ascent, bears N. 61° E. and S. 61° W.

67.60 Head of canon, course SE.; ascend gradually..

80.00 Darling's 16th Mi. Cor.; a sandstone, 3x6x9 ins., mkd. 16 M, deposited 12 ins. below the surface;
from which
A scrub cedar, with 8 prongs, bears N. 87° W., 66 lks. dist.; no marks; tree has been cut into.
In place of stone
Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 16, 1868-1925, and build a mound of stone around the monument;
from which
A pinon, 8 ins. diam., bears N. 64° 45' W., 92 lks. dist., mkd. COLO 16 M BT.
The monument is on the high mesa which forms the divide between Miller Canon and Flathead Canon, elevation 5375 ft.
Land, mountainous.
Soil, sandy and stony; 3rd and 4th rate.
Timber, scattering cedar and pinon; undergrowth, oak and service brush.

Chains

THE DARLING LINE, 17TH MILE

RETRACEMENT

Beginning at the 18th Mi. Cor., as identified and hereinafter described; altitude observation on the sun for azimuth, Oct. 2, 1925.

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

71.50 N. 0.6 lks. to the parallel; the 17 + 8.50 Mi. Cor. has become obliterated.

80.00 N. 0.8 lks. to the parallel; the 17th Mi. Cor. was not established by Darling.

160.60 N. 3.0 lks. to the parallel; thence the 16th Mi. Cor. bears S. 5.5 lks. dist.; on this determination the true line bears N. 89° 59′ W.

REESTABLISHMENT

Thence N. 89° 59′ W., on a reestablishment of the 17th mile.

Descend gradually on mesa, through scattering timber and undergrowth.

10.69 The Carpenter 316.2 Mi. Cor. bears North, 5 lks. dist.; an iron post firmly set in a mound of stone; I remove this monument.

12.30 Top of rim, bears N. 6° E. and S. 15° W.; abrupt descent of 560 ft. over broken SW. slope.

45.00 Base of abrupt slope, bears NW. and SE.; leave scattering timber, enter valley of Flathead Canon.

49.00 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 16 + 49 Chs., 1868-1925, and build a mound of stone around the monument.

49.10 Trail, bears N. 48° W. and S. 43° E.

59.70 Arroyo in Flathead Canon, course S. 20° E., elevation 4767 ft.; enter scattering timber and undergrowth; ascend 350 ft. over broken E. slope.

79.40 Top of abrupt ascent; ascend gradually over bench.

80.30 The proportional point; the 17th Mi. Cor. was not established by Darling.

Chains

THE DARLING LINE, 17TH MILE

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 17, 1868-1925, and build a mound of stone around the monument;

from which

A pinon, 8 ins. diam., bears S. 30° W., 2.08 chs. dist., mkd. NM 17 M BT.

Land, 65.00 chs. mountainous, 15.00 chs. bottom of canon.

Soil, sandy and stony; 3rd and 4th rate.

Timber, scattering cedar and pinon; undergrowth, oak and service brush.

THE DARLING LINE, 18TH MILE

REESTABLISHMENT

N. 89° 59′ W., on a reestablishment of the 18th mile.

Ascend gradually on bench, through scattering timber and undergrowth.

5.00 Ascend abruptly 210 ft. over steep E. slope.

10.20 Top of rim rock, bears NW. and SE.; ascend gradually on narrow point of mesa.

13.97 The closing cor. of Tps. 32 N., Rs. 33 and 34 E., NM Prin. Mer., New Mexico, bears South, 3.5 lks. dist.; a sandstone, 4x10x16 ins., loosely set in a small mound of stone, mkd. CC on N., T 32 N on S., R 33 E on W., and R 34 E on E. face.

18.13 The Carpenter 315.1 Mi. Cor. bears South, 9 lks. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the two bearing trees.

Descend gradually.

33.00 Head of canon, course S. 10° E.; ascend gradually.

46.50 Leave scattering timber and undergrowth, bears N. and S. 20° E.; mesa widens.

55.00 On high mesa, elevation 5380 ft.; begin gradual descent.

58.50 Wood road, bears NW. and SE.; enter scattering timber and undergrowth.

Chains

THE DARLING LINE, 18TH MILE

80.30 Darling's 18th Mi. Cor.: a sandstone, 6x8x24 ins., loosely set in mound of stone and earth, no marks; a sandstone, 3x8x8 ins., mkd 18 M, 10 ins. below the surface.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 18, 1868-1925, and build a mound of stone around the monument;

from which

A cedar, 10 ins. diam., bears N. 19° 15' W., 79 lks. dist., mkd COLO 18 M BT.

A cedar, 7 ins. diam., bears S. 49° 45' W., 68 lks. dist., mkd. NM 18 M BT.

Land, mountainous.

Soil, sandy and stony; 3rd and 4th rate.

Timber, scattering cedar and pinon; undergrowth, oak and service brush.

THE DARLING LINE, 19TH MILE

RETRACEMENT

Beginning at the 19th Mi. Cor., as identified and hereinafter described; altitude observation on the sun for azimuth, Oct. 1, 1925, East, on a retracement of the Darling boundary, on a transit line describing a tangent.

81.43 N. 0.8 lks. to the parallel; thence the 18th Mi. Cor. bears N. 34. lks. dist.: on this determination the true line bears S. 89° 46' W.

REESTABLISHMENT

Thence S. 89° 46' W., on a reestablishment of the 19th mile.

Descend gradually on mesa, through scattering timber and undergrowth.

0.80 Rim rock, bears N. 15° W. and S. Abrupt descent of 570 ft. over steep W. slope.

24.50 Gulch, course SW.

THE DARLING LINE, 19TH MILE

24.75 The Carpenter 314th Mi. Cor. bears South, 25 lks. dist.; an iron post, firmly set in ground and mound of stone. I remove this monument.

26.80 Zeus Canon Creek, water in pools, course S. 32° E., elevation 4813 ft.; ascend gradually.

30.70 Old trail, bears NW. and S. 51° E.

31.00 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Milg Corner No. 18 + 31 Chs., 1868-1925.

36.00 Ascend 540 ft. over broken NE. slope.

79.80 Top of basalt rim rock, 50 ft. high, bears N. 46° W. and S. 53½° E.; leave scattering timber at foot of rim; ascend NE. slope.

81.43 Darling's 19th Mi. Cor.; a basalt stone, 2x8x10 ins., mkd. 19 M. deposited under mound of stone.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 19, 1868-1925, and build a mound of stone around the monument.

Land, mountainous.

Soil, sandy and stony; 4th rate.

Timber, scattering cedar and pinon; undergrowth, oak and service brush.

THE DARLING LINE, 20TH MILE

RETRACEMENT

Beginning at the 20th Mi. Cor., as identified and hereinafter described,

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

82.72 N. 0.8 lks. to the parallel; thence the 19th Mi. Cor. bears S. 32.2 lks. dist.; altitude observation on the sun for azimuth, Oct. 1, 1928; on this determination the true line bears N. 89° 47′ W.

REESTABLISHMENT

Thence N. 89° 47′ W., on a reestablishment of the 20th mile.

Ascend NE. slope.

Chains — THE DARLING LINE, 20TH MILE

2.60 Top of ascent, bears NW. and SE.; enter scattering oak brush on nearly level mesa top, elevation 5460 ft.

23.39 Construct a concrete monument, in a form 8x14x36 ins., set 20 ins. in the ground, with tablet seated in the top marked Mile Corner No. 19 + 23.39 Chs., 1868-1925, and build a mound of stone around the monument:

from which

The Carpenter 313th Mi. Cor. bears South, 33.7 lks. dist.; an iron post, firmly set in mound of stone.

In place of post

Construct a concrete monument, 8x8x36 ins., set 18 ins. in the ground, with triangle templet seated in the top; geographic position of this point by U. S. Coast and Geodetic Survey, 1922:

North Latitude 36° 59′ 57.636″
West Longitude 103° 23′ 48.850″

Descend W. slope.

26.00 Top of rim rock, bears N. 15° W. and S. 15° E.; abrupt descent of 380 ft.

45.60 Gulch, course S. 10° W.; ascend 100 ft. to spur.

49.60 Spur from mesa, slopes S.; descend 70 ft.

61.20 Gulch, course S. 30° E.; ascend 80 ft.

65.70 Spur from mesa, slopes S.; thence along broken S. slope.

76.50 Spur from mesa, slopes S. 20° E.; descend 200 ft.

82.72 Darling's 20th Mi. Cor.; a sandstone, 6x8x12 ins., mkd. 20, deposited under a mound of stone.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 20, 1868-1925, and build a mound of stone around the monument.

Land, mountainous.

Soil, sandy and stony; 4th rate.

No timber; undergrowth, oak brush.

hains

THE DARLING LINE, 21ST MILE

RETRACEMENT

Beginning at the 21st Mi. Cor., as identified and hereinafter described; altitude observation on the sun for azimuth, Oct. 1, 1928.

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

0.80 N. 0.8 lks. to the parallel; thence the 20th Mi. Cor. bears N. 58 lks. dist.; on this determination the true line bears S. 89° 35′ W.

REESTABLISHMENT

Thence S. 89° 35′ W., on a reestablishment of the 21st mile.

Descend 70 ft. on steep W. slope, through scattering undergrowth.

6.20 Arroyo, course S. 20° E.; thence across nearly level valley, elevation 4815 ft., which drains S. to the Cimarron River.

17.00 Arroyo, course S. 15° E.

21.45 The Carpenter 312th Mi. Cor. bears South, 45 lks. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

45.70 Arroyo, course S. 60° W.; enter scattering timber; thence along broken S. slope.

48.70 Arroyo, course S. 15° E.

66.50 Arroyo, course S. 5° E.

79.80 Darling's 21st Mi. Cor.; a red sandstone, 6x8x24 ins., firmly set in mound of stone, mkd. C on N., NM on S., 21 M on E., and 1868 on W. face.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 22 ins. in ground on bed rock, with tablet seated in the top marked Mile Corner No. 21, 1868-1925, and build a mound of stone around the monument;

from which

A cedar, 6 ins. diam., bears N. 30° E., 1.50 chs. dist., mkd. COLO 21 M BT.

Land, 40.00 chs. rolling, and 40.00 chs. nearly level valley.

Soil, sandy clay and stony; 3rd and 4th rate.

Timber, scattering cedar and pinon; undergrowth, scattering oak brush.

Chains

THE DARLING LINE, 22ND MILE

RETRACEMENT

Beginning at the 22nd Mi. Cor., as identified and hereinafter described.

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

79.73 N. 0.8 lks. to the parallel; thence the 21st Mi. Cor. bears N. 22 lks. dist.; altitude observation on the sun for azimuth, Nov. 2 1927; on this determination the true line bears S. 89° 50' W.

REESTABLISHMENT

Thence S. 89° 50' W., on a reestablishment of the 22nd mile.

Along broken S. slope near foot of bluff; through scattering timber and undergrowth.

16.23 The closing cor. of secs. 20 and 21, T. 32 N., R. 33 E., NM Prin. Mer., New Mexico, bears North, 9.5 lks. dist.; a sandstone 12x10x6 ins. above ground, firmly set in mound of stone, mkd. CC on S. face.

18.30 Arroyo, course S.

22.11 The Carpenter 311th Mi. Cor. bears South, 30 lks. dist.; an iron post, firmly set in mound of stone; I remove this monument and obliterate the marks on the two bearing trees.

28.90 Arroyo, course S.

34.50 Arroyo, course S. 20° E.

43.90 Spur, slopes S.

57.30 Arroyo, course S. 20° E.

79.73 Darling's 22nd Mi. Cor.; a sandstone, 30x6x6 ins., lying on the ground, mkd. C., NM., 22 M, and 68 on opposite faces.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 22; 1868-1925;

from which

A cedar, 8 ins. diam., bears N. 41¼° E., 1.46 chs. dist., mkd. COLO 22 M BT.

Chains

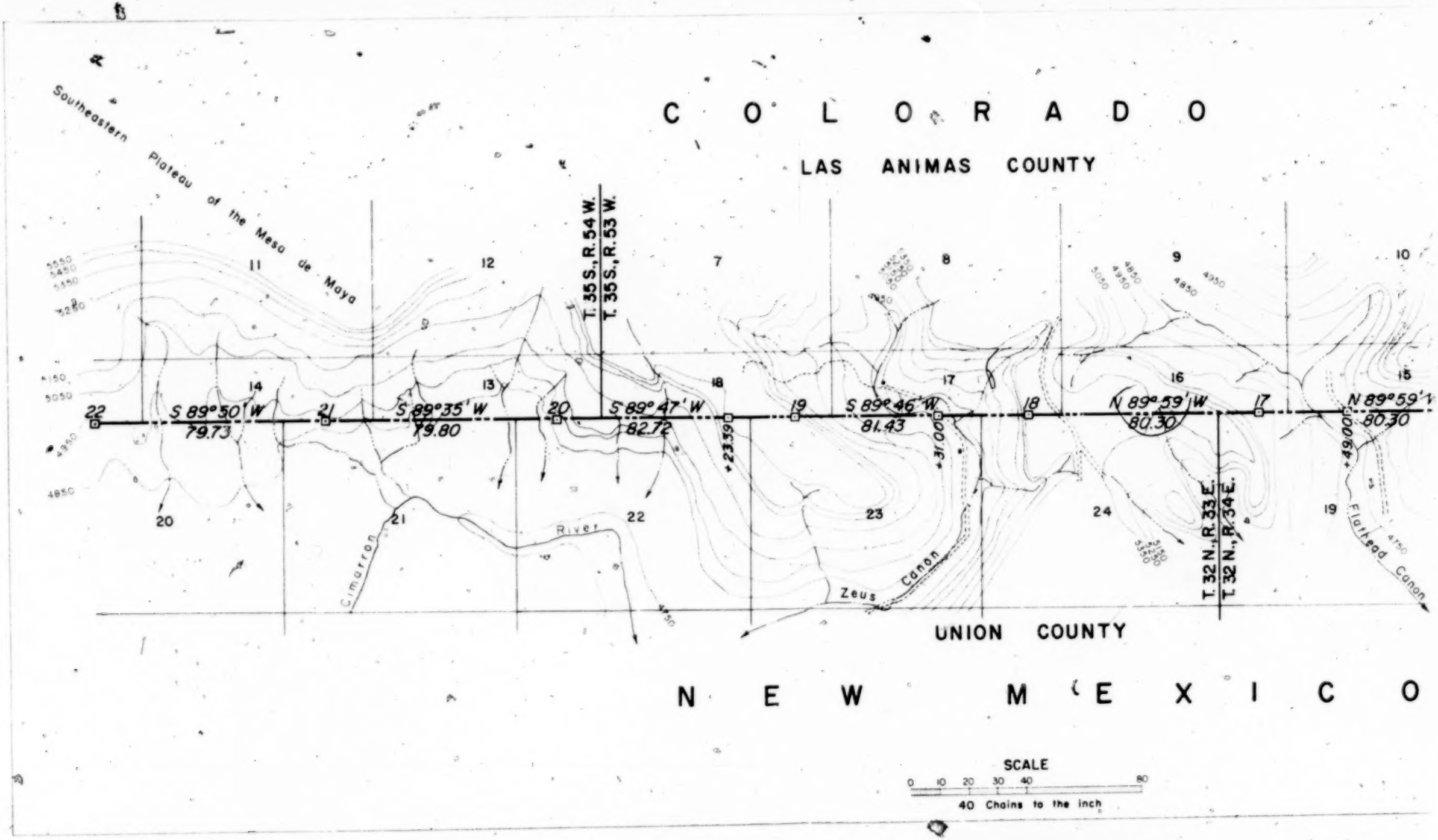
THE DARLING LINE, 22ND MILE

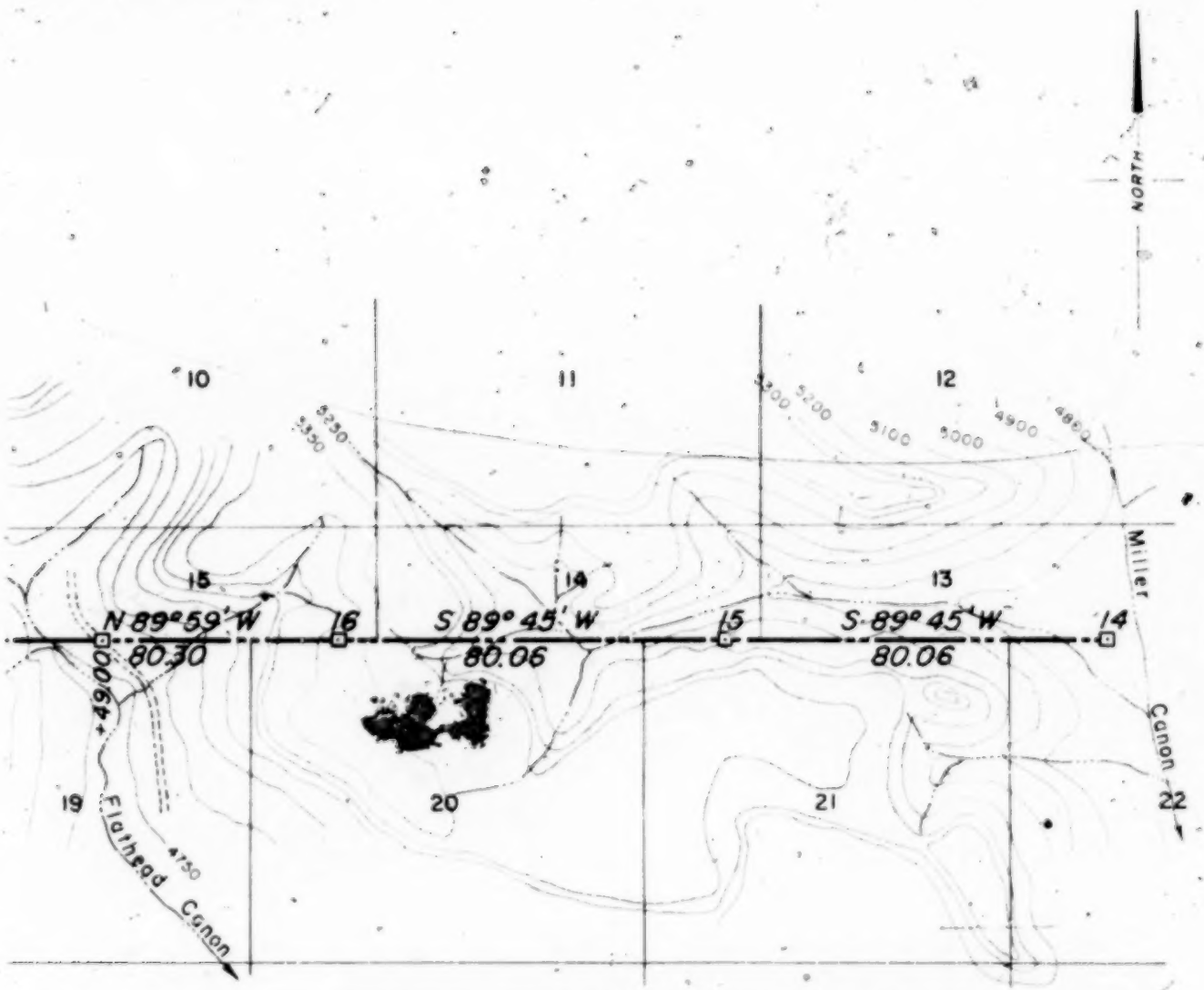
A pinon, 14 ins. diam., bears S. 78½ E., 2.55 chs. dist., mkd. NM 22 M BT.

Land, rolling; near foot of bluff at N. side of the Cimarron Valley.

Soil, sandy and stony; 3rd and 4th rate.

Timber, scattering scrub cedar and pinon; undergrowth, oak brush.


COLORADO
LAS ANIMAS COUNTY
Southeastern plateau of the Mesa de Maya
T. 35 S., R. 54 W.
T. 35 S., R. 53 W.
S 89° 50' W
79.73
S 89° 35' W
79.80
S 89° 47' W
82.72
S 89° 46' W
81.43
N 89° 59' W
80.30
N 89° 59' W
80.30
+23.39
+31.00
+49.00
T. 32 N., R. 33 E.
T. 32 N., R. 34 E.
Cimarron River
Zeus Canon
Flatiead Canon
UNION COUNTY
NEW MEXICO
SCALE
0 10 20 30 40 80
40 Chains to the inch



COLORADO AND NEW MEXICO BOUNDARY

C O

This plat depicts the boundary line between the States of Colorado and New Mexico as reestablished by the late Arthur D Kidder, Boundary Commissioner, under the Decree (268 U.S. 108) of the Supreme Court of the United States, dated April 13, 1925

Joseph C. Thoma

Commissioner

COLORADO AND NEW MEXICO BOUNDARY

FIELD NOTES AND MAP OF SURVEY

MILE CORNER No. 23

to

MILE CORNER No. 29

Chains

THE DARLING LINE. 23RD MILE

RETRACEMENT

Beginning at the 24th Mi. Cor., as identified and hereinafter described,

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.00 N. 0.8 lks. to the parallel; the 23rd Mi. Cor. has become obliterated.

159.70 N. 3.0 lks. to the parallel; thence the 22nd Mi. Cor. bears N. 19.3 lks. dist.; on this determination the true line bears S. 89° 56' W.

REESTABLISHMENT

Thence S. 89° 56' W., on a reestablishment of the 23rd mile.

Ascend 230 ft. over SE. slope, through scattering scrub timber and scattering undergrowth.

15.71 The closing cor. of secs. 19 and 20, T. 32 N., R. 33 E., NM Prin. Mer., New Mexico, bears North, 37.5 lks. dist.; a basalt stone, 16x10x6 ins., loosely set in a mound of stone, mkd. CC on S. face.

23.33 The Carpenter 310th Mi. Cor. bears South, 20 lks. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the bearing tree.

30.20 Top of narrow spur, slopes S. 20° W.; descend 90 ft.

33.00 Gulch, course S. 25° W.; ascend 30 ft.

34.70 Descend 150 ft. over SW. slope.

56.60 Stone fence, bears N. 5° E. and S. 5° W.

74.70 Base of SW. slope; begin gradual ascent.

79.85 The proportional point; unable to identify Darling's 23rd Mi. Cor. Set a basalt stone, 32x24x10 ins., in a concrete base, 21 ins. in the ground, with tablet seated in top of stone marked Mile Corner No. 23, 1868-1925, and build a mound of stone around the monument;

from which

A cedar, 10 ins. diam., bears N. 64° W., 27 lks. dist., mkd. COLO 23 M BT.

A cedar, 7 ins. diam., bears S. 59½° E., 1.30 chs. dist., mkd. NM 23 M BT.

Chains

THE DARLING LINE, 23RD MILE

Land, rolling mountainous.
Soil, sandy and stony; 3rd and 4th rate.
Timber, scattering scrub cedar and pinon; undergrowth, scattering oak brush.

THE DARLING LINE, 24TH MILE

REESTABLISHMENT

S. 89° 56′ W., on a reestablishment of the 24th mile.
Ascend gradually.

2.20 Begin gradual descent.

9.40 Arroyo, course S.; begin gradual ascent of 120 ft.

10.36 The closing cor. of Tps. 32 N., Rs. 32 and 33 E., NM Prin. Mer., New Mexico, bears South, 8.5 lks. dist.; a sandstone, 8x8x8 ins. above ground, firmly set in small mound of stone, mkd. CC on N., T 32 N on S., R 32 E on W., and R 33 E on E. face.

23.84 The Carpenter 309th Mi. Cor. bears South, 9 lks. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the two bearing trees.

57.20 Top of low knoll in valley, elevation 5000 ft., bears N. and S.; begin gradual descent; leave scattering scrub timber.

79.85 Darling's 24th Mi. Cor.; a basalt stone, 8x8x3 ins., mkd. 24 M, deposited under mound of stone.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 22 ins. in the ground, with tablet seated in the top marked Mile Corner No. 24, 1868-1925.

Corner stands under E. and W. fence.

Land, gently rolling, in valley near mouth of Covert Canon on N. side of the Cimarron Valley.

Soil, sandy and stony; 3rd rate.

Timber, scattering scrub cedar and pinon; undergrowth, scattering oak brush.

Chains

THE DARLING LINE, 25TH MILE

RETRACEMENT

Beginning at the 25th Mi Cor., as identified and hereinafter described,

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.17 N. 0.8 lks. to the parallel; thence the 24th Mi. Cor. bears N. 27.7 lks. dist.; on this determination the true line bears S. 89° 48' W.

REESTABLISHMENT

Thence S. 89° 48' W., on a reestablishment of the 25th mile.
Descend 60 ft. in valley.

10.53 The closing cor. of secs. 23 and 24, T. 32 N., R. 32 E., NM Prin. Mer., New Mexico, bears North, 6 lks. dist.; a basalt stone, 10x8x2 ins., loosely set in mound of stone, mkd. CC on S. face.

24.00 The Carpenter 308th Mi. Cor. bears North, 4 lks. dist.; an iron post, firmly set; I remove this monument.

33.90 Covert Canon Creek, water in holes and running stream, 10 lks. wide, sand and gravel bottom, course SW., general course S. and SE., elevation 4870 ft.; ascend 50 ft. to top of bluff W. of creek.

45.70 Top of bluff, bears N. and S.; begin gradual ascent.

62.00 Construct a concrete monument, in a form 16x24x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 24 + 62 Chs., 1868-1925.

62.20 Wagon road, bears NW. and SE.

80.17 Darling's 25th Mi. Cor.; a sandstone, 36x7x5 ins., firmly set, mkd. C on N., NM on S., 25 on E., and 68 on W. face.

In place of stone
Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 25, 1868-1925.

Land, nearly level valley, at mouth of Covert Canon, on N. side of the Cimarron Valley.

Soil, sandy; 2nd and 3rd rate.

No timber.

Chains

THE DARLING LINE, 26TH MILE

RETRACEMENT

Beginning at the 26th Mi. Cor., as identified and hereinafter described.

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

79.96 N. 0.8 lks. to the parallel; thence the 25th Mi. Cor. bears N. 64.3 lks. dist.; on this determination the true line bears S. 89° 32′ W.

REESTABLISHMENT

Thence S. 89° 32′ W., on a reestablishment of the 26th mile.

Ascend gradually in valley.

9.87 The closing cor. of secs. 22 and 23, T. 32 N., R. 32 E., NM Prin. Mer., New Mexico, bears North, 3 lks. dist.; a limestone, 16x8x4 ins. above ground, firmly set, mkd. CC on S. face.

23.86 The Carpenter 307th Mi. Cor. bears North, 39 lks. dist.; an iron post, firmly set; I remove this monument.

56.00 Base of bluff, bears NE. and SW.; enter scattering scrub timber, bearing NE. and SW.; ascend 60 ft.

[illegible].10 Small spur, slopes S.

73.50 Gulch, course S. 30° E.; ascend 60 ft. to corner over NE. slope.

79.96 Darling's 26th Mi. Cor.; a sandstone, 8x6x3 ins., mkd. +, deposited under mound of stone.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 22 ins. in the ground, with tablet seated in the top marked Mile Corner No. 26, 1868-1925, and build a mound of stone and earth around the monument;

from which

A pinon, 8 ins. diam., bears N. 33¼° E., 1.03 chs. dist., mkd. COLO 26 M BT.

A cedar, 5 ins. diam., bears S. 27° E., 76 lks. dist., mkd. NM 26 M BT.

Land, 56.00 chs. nearly level valley, 24.00 chs. broken, near base of bluff.

Soil, sandy and stony; 2nd and 4th rate.

Timber, scattering scrub cedar and pinon.

Chains

THE DARLING LINE, 27TH MILE

RETRACEMENT

Beginning at the 27th Mi. Cor., as identified and hereinafter described,

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

79.20 N. 0.8 lks. to the parallel; thence the 26th Mi. Cor. bears N. 18.4 lks. dist.; on this determination the true line bears S. 89° 52' W.

REESTABLISHMENT

Thence S. 89° 52' W., on a reestablishment of the 27th mile.

Ascend 180 ft. over E. slope, through scattering scrub timber and undergrowth.

3.59 The Carpenter 306.25 Mi. Cor. bears North, 81 lks. dist.: an iron post, firmly set in ground and mound of stone; I remove this monument.

9.63 The closing cor. of secs. 21 and 22, T. 32 N., R. 32 E., NM Prin. Mer., New Mexico, bears North, 11.5 lks. dist.: a sandstone, 14x14x10 ins., loosely set in a mound of stone, mkd. CC on S. face.

14.60 Spur slopes S.; descend 140 ft.

22.30 Gulch, course S. 25° E.; ascend 440 ft. over broken SE. slope.

71.40 Rim rock, 18 ft. high, bears N. 60° E. and SW.; continue ascent; leave scattering timber at foot of rim.

76.60 Top of ascent on basalt dyke, bearing NW. and SE.; descend 10 ft. to corner over SW. slope, through dense oak brush.

79.20 Darling's 27th Mi. Cor.; a basalt stone, 18x10x8 ins., firmly set in a mound of stone, mkd. C on N., NM on S., 27 M on E., and 1868 on W. face; a sandstone, 8x6x3 ins., mkd. +, under the mound of stone.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set in a concrete base, 16 ins. in ground on bed rock, with tablet seated in the top marked Mile Corner No. 27, 1868-1925, and build a mound of stone and earth around the monument.

Land, mountainous.

Soil, sandy and stony; 4th rate.

Chains

THE DARLING LINE, 27TH MILE

Timber, scattering cedar and pinon; undergrowth, scattering oak brush, last 2.00 chs. dense oak brush.

THE DARLING LINE, 28TH MILE

RETRACEMENT

Beginning at the 28th Mi. Cor., as identified and hereinafter described,

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

55.12 Altitude observation on the sun for azimuth, Nov. 15, 1927.

80.00 N. 0.8 lks. to the parallel; thence the 27th Mi. Cor. bears N. 44.2 lks. dist.; on this determination the true line bears S. 89° 41' W.

REESTABLISHMENT

Thence S. 89° 41' W., on a reestablishment of the 28th mile.

Descend 20 ft. over SW. slope, through dense oak brush.

1.00 Head of drain from mesa, course SE.; ascend 50 ft.

5.00 Rim of mesa, overlooking the Cimarron Valley, bears NE. and S. 20° W., elevation 5661 ft.; thence across nearly level mesa; leave oak brush.

15.00 Begin gradual descent.

24.88 The Carpenter 305th Mi. Cor. bears North, 1.02 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

41.60 Enter timber and undergrowth, bearing N. and S.

55.00 Head of canon, course N. 60° W.; ascend very gradually.

70.00 Begin gradual descent.

80.00 Darling's 28th Mi. Cor.; a sandstone, 6x6x2 ins., mkd. 28 M., deposited under mound of stone.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 22 ins. in the ground, with tablet seated in the top marked Mile Corner

Chains

THE DARLING LINE, 28TH MILE

No. 28, 1868-1925, and build a mound of stone around the monument:

from which

A pinon, 6 ins. diam., bears N. 16° E., 2.11 chs. dist., mkd. COLO 28 M BT.

A pinon, 4 ins. diam., bears S. 51° E., 78 lks. dist., mkd. NM 28 M BT.

Land, nearly level mesa.

Soil, sandy and stony; 3rd and 4th rate.

Timber, scattering scrub cedar and pinon; undergrowth, oak brush

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THE DARLING LINE, 29TH MILE

RETRACEMENT

Beginning at the 29th Mi. Cor., as identified and hereinafter described.

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.25 N. 0.8 lks. to the parallel; thence the 28th Mi. Cor. bears N. 16.9 lks. dist.; on this determination the true line bears S. 89° 53' W.

REESTABLISHMENT

Thence S. 89° 53' W., on a reestablishment of the 29th mile.

Descend gradually on mesa, through scattering timber and undergrowth.

0.74 The Carpenter 304.3 Mi. Cor. bears North, 1.29 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the bearing tree.

13.20 Rim rock, 18 ft. high, bears N. 20° W. and SE.; descend 240 ft.

23.20 Canon, course N. 20° W.; ascend 240 ft.

33.10 Rim rock, bears N. 20° W. and SE.; thence ascend gradually.

44.00 Begin gradual descent; elevation 5660 ft.

61.00 Rim rock, 20 ft. high, bears N. and S.; descend 270 ft. over steep W. slope.

The Darling Line, 29th Mile

Darling's 29th Mi. Cor.; a sandstone, 24x9x5 ins., firmly set in a mound of stone, mkd. C on N., NM on S., 29 M on E., and 1868 on W face.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set in concrete base, 22 ins. in the ground, with tablet seated in the top marked Mile Corner No. 29, 1868-1925, and build a mound of stone around the monument;

from which

A cedar, 4 ins. diam., bears N. 27½ E., 85 lks. dist., mkd. COLO 29 M BT.

A cedar, 6 ins. diam., bears S. 18½ W., 1.65 chs. dist., mkd. NM 29 M BT.

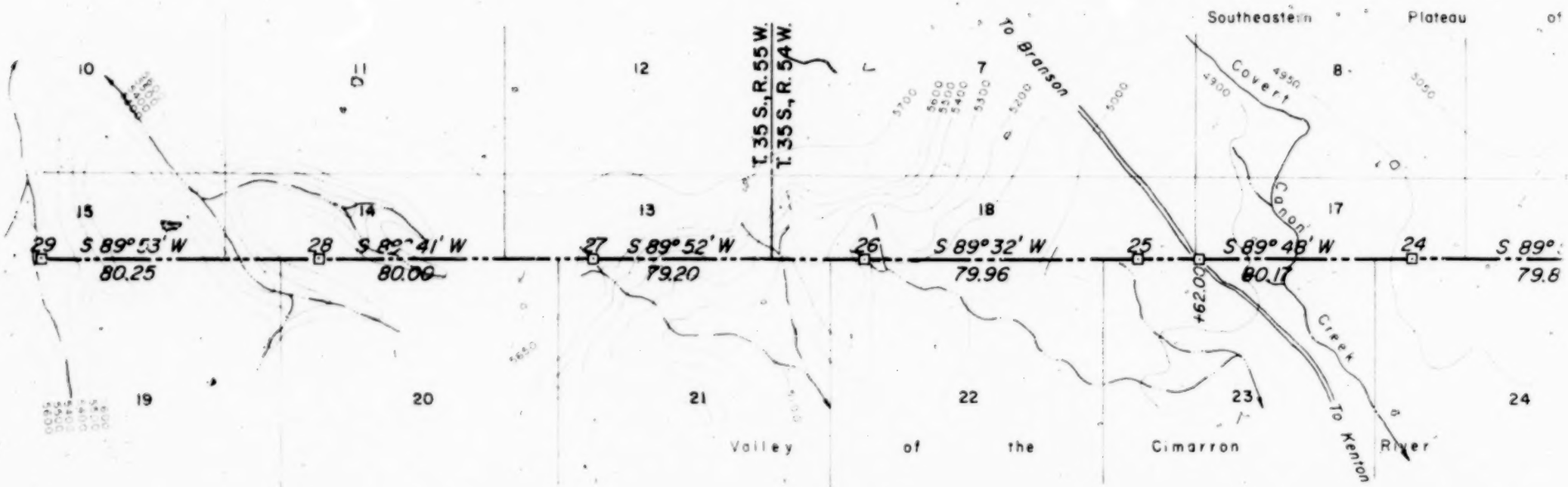
Land, mountainous.

Soil, sandy and stony, 4th rate.

Timber, scattering scrub cedar and pinon; undergrowth, oak and service brush.

C O L O R A D O

LAS ANIMAS COUNTY



UNION COUNTY

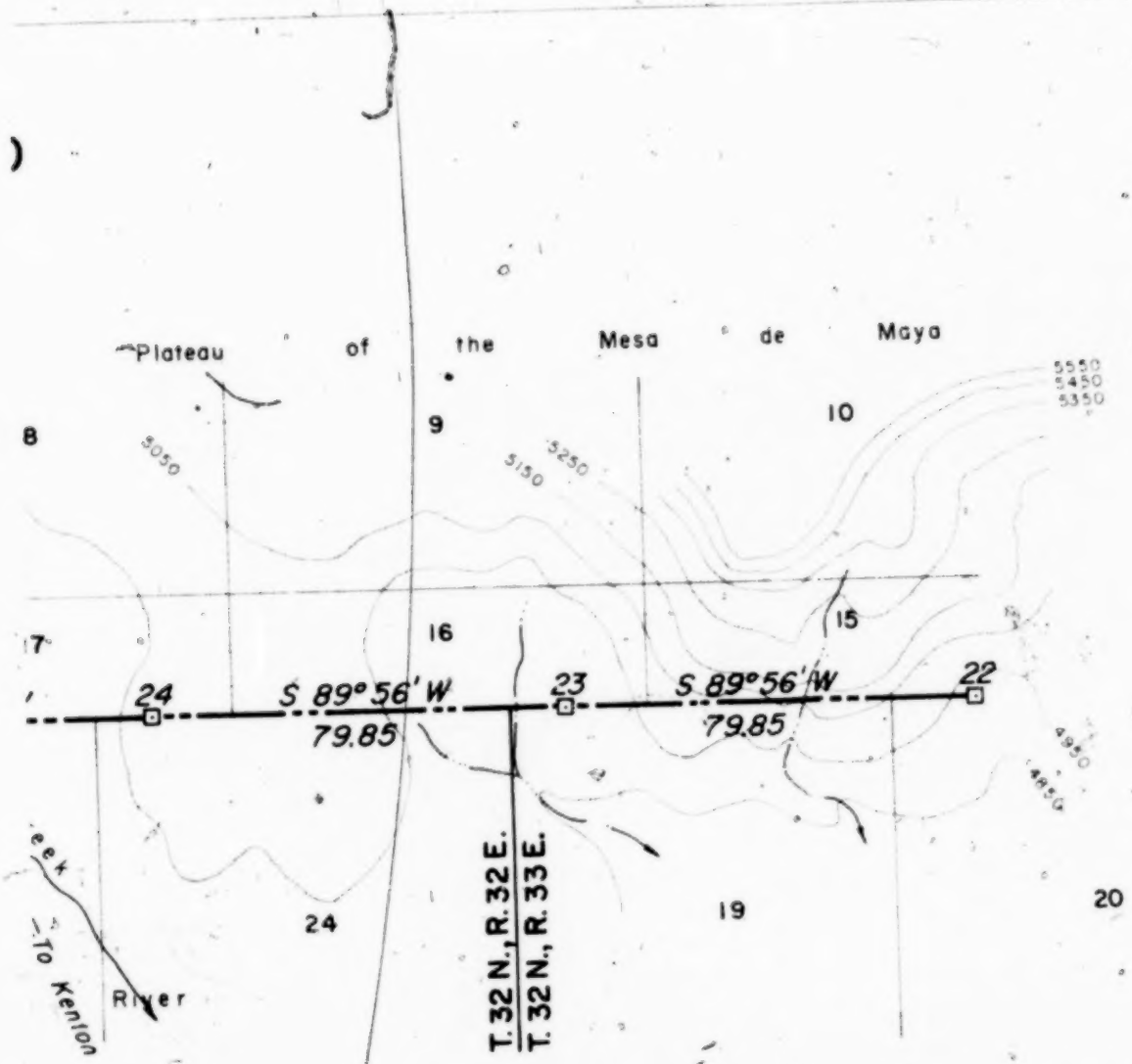
N E W M E X I C O

SCALE

0 10 20 30 40 80

40 Chains to the inch

Colon
Kiddl
the S



COLORADO AND NEW MEXICO BOUNDARY

This plat depicts the boundary line between the States of Colorado and New Mexico as reestablished by the late Arthur D. Kidder, Boundary Commissioner, under the Decree (268 U.S. 108) of the Supreme Court of the United States, dated April 13, 1925

Joseph C. Thoma

Commissioner

COLORADO AND NEW MEXICO BOUNDARY

FIELD NOTES AND MAP OF SURVEY

MILE CORNER No. 30

to

MILE CORNER No. 38

Chains THE DARLING LINE, 30TH MILE

RETRACEMENT

Beginning at the 32nd Mi. Cor., as identified and hereinafter described,

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

12.52 N. 0.0 lks. to the parallel; intersect Darling's Astronomical Monument No 1; on this determination the true line bears West.

Thence

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

14.98 Altitude observation on the sun for azimuth, Nov. 12, 1927.

67.50 N. 0.6 lks. to the parallel; the 31st Mi. Cor. has become obliterated.

147.50 N. 2.5 lks. to the parallel; the 30th Mi. Cor. has become obliterated.

227.41 N. 6.1 lks. to the parallel; thence the 29th Mi. Cor. bears N. 73.3 lks. dist.; on this determination the true line bears S. 89° 49' W.

REESTABLISHMENT

Thence S. 89° 49' W., on a reestablishment of the 30th mile.

Cross broken bottom of canon, through scattering scrub timber and undergrowth.

0.90 Arroyo in canon, course N.

13.04 The Carpenter 303.15 Mi. Cor. bears North, 1.21 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

15.40 Arroyo in canon, course NE.

34.00 Arroyo in canon, course N. 75° E.; ascend 260 ft. over steep SE. slope.

40.60 Rim rock, 15 ft. high, bears N. and S.; continue ascent.

46.30 Begin gradual descent.

55.00 Begin gradual ascent.

66.00 Leave timber and undergrowth, bears N. and S.

70.00 Top of high mesa ridge, bears N. and S., elevation 5694 ft.; begin gradual descent.

Chains

THE DARLING LINE, 30TH MILE

79.97 The proportional point; 30th Mi. Cor. destroyed (Carpenter 303rd Mi.).

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 30, 1868-1925, and build a mound of earth around the monument.

Land, rough mountainous.

Soil, sandy and stony; 3rd and 4th rate.

Timber, scattering scrub cedar and pinon; undergrowth, oak and service brush.

THE DARLING LINE, 31ST MILE

REESTABLISHMENT

S. 89° 49' W., on a reestablishment of the 31st mile.

Descend gradually over NW. slope.

4.70 Trail, bears N. 20° W. and S. 20° E.

9.50 Head of canon, course N. 5° W.; ascend over gradual NE. slope.

24.83 The Carpenter 302nd Mi. Cor. bears North, 1.33 chs. dist.; an iron post, firmly set; I remove this monument.

28.00 Top of gradual ascent on mesa, elevation 5700 ft.; thence across nearly level mesa top; divide between Covert and Cow Creek Canons, bears NW. and SE.

43.00 Begin gradual descent.

49.00 Enter scrub timber and undergrowth, bearing N. and S.

62.50 Begin gradual ascent.

79.97 The proportional point; 31st Mi. Cor. destroyed (Carpenter 302nd Mi.).

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 31, 1868-1925;

from which

A cedar, 4 ins. diam., bears N. 76¼° E., 1.64 chs. dist., mkd. COLO 31 M BT.

Chains

THE DARLING LINE, 31ST MILE

A pinon, 5 ins. diam., bears S. 21° E., 1.73 chs. dist., mkd. NM 31 M BT.

Corner at W. edge of timber and undergrowth.

Land, slightly rolling mesa top.

Soil, sandy loam; 3rd rate.

Timber, medium thick scrub cedar and pinon; undergrowth, oak and service brush.

THE DARLING LINE, 32ND MILE

REESTABLISHMENT

S. 89° 49′ W., on a reestablishment of the 32nd mile.

Ascend gradually on mesa top.

2.00 Top of ascent.

6.50 Begin gradual descent.

16.59 The Carpenter 301.1 Mi. Cor. bears North, 1.30 chs. dist.; an iron post, firmly set in a mound of stone; I remove this monument. The two bearing trees could not be identified; enter timber and undergrowth, bearing N. and S.

26.70 Rim rock, bears N. 46° E. and S. 46° W.; descend 130 ft.

31.70 Bottom of canon, course SW.; ascend 140 ft.

36.70 Top of rim rock, 40 ft. high, bears N. 20° E. and S. 80° W.; ascend gradually.

51.30 Large cedar tree, about 6 ft. at base, with 3 large prongs, bears S. 24 lks. dist.; tree mentioned by Darling. The tree stands on top of high mesa, elevation 5704 ft.

57.50 Begin gradual descent.

62.50 Trail, bears NE. and SW.

67.47 Darling's Astronomical Monument No. 1; a sandstone, 42x9x9 ins. lying on mound of earth and stone, mkd. COLO, NEW MEX. 37 NL on three faces; a sandstone, 32x9x7 ins., the remaining portion of the original monument, firmly set in the mound of earth and stone, where I construct the new monument.

Chains

THE DARLING LINE, 32ND MILE

Set the original stone, trimmed to 36x9x9 ins., in a concrete base, 24 ins. in the ground, with tablet seated in top of stone marked Mile Corner No. 31 + 67.47 Chs., 1868-1925, and build a mound of stone and earth around the monument;

from which

A pinon, 5 ins. diam., bears N. 13½ W., 55 lks. dist., mkd. WP COLO BT.

A cedar, 9 ins. diam., bears S. 64 E., 1.25 chs. dist., mkd. WP NM BT.

REESTABLISHMENT

Thence

West, continuing on a reestablishment of the 32nd mile.

12.52 Darling's 32nd Mi. Cor.; a sandstone, 10x8x1 ins., mkd. 32 M, deposited under mound of stone.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 20 ins. in the ground, with tablet seated in the top marked Mile Corner No. 32, 1868-1925, and build a mound of stone around the monument;

from which

A pinon, 12 ins. diam., bears N. 55¾ W., 47 lks. dist., mkd. COLO 32 M BT.

A pinon, 6 ins. diam., bears S. 78½ E., 19 lks. dist., mkd. NM 32 M BT.

Land, mountainous.

Soil, sandy and stony; 3rd and 4th rate.

Timber, medium thick scrub cedar and pinon, few yellow pine in canon; undergrowth, oak and service brush.

THE DARLING LINE, 33RD MILE

RETRACEMENT

Beginning at the 33rd Mi. Cor., as identified and hereinafter described,

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

Chains

THE DARLING LINE, 33RD MILE

79.36 N. 0.8 lks. to the parallel; thence the 32nd Mi. Cor. bears N. 89.5 lks. dist.; on this determination the true line bears S. 89° 21′ W.

REESTABLISHMENT

Thence S. 89° 21′ W., on a reestablishment of the 33rd mile.
Descend gradually on mesa, through scrub timber and undergrowth.

1.00 Descend 160 ft. over brushy W. slope.

8.00 Rocky gulch, course N. 50° W.; ascend 80 ft. over brushy NE. slope.

9.50 Trail, bears NW. and SE.

12.00 Thence along steep brushy N. slope, crossing point of spur.

23.56 The Carpenter 300th Mi. Cor. bears North, 1.52 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument; descend 380 ft. over brushy W. slope.

38.00 Base of bluff, bears N. and S.; leave scrub timber and undergrowth; enter valley of Cow Creek Canon, which drains S. to the Cimarron River.

69.24 Farm house, bears N. about 20 chs. dist.

72.70 Dry bed of Cow Creek, course S., elevation 5200 ft.; begin gradual ascent.

75.40 Wagon road, bears N. and S.

76.00 Construct a concrete monument, in a form 8x14x36 ins., set 22 ins. in the ground, with tablet seated in the top marked Mile Corner No. 32 + 76 Chs., 1868-1925;
from which
A pinon, 5 ins. diam., bears S. 48° W., 2.38 chs. dist., mkd. WP NM BT.

77.80 Base of bluff, bears N. and S.; enter scrub timber and undergrowth; ascend E. slope.

78.86 Farm house, bears S. about 33 chs. dist.

79.36 Darling's 33rd Mi. Cor.; a sandstone ledge, with exposed surface of 36x60x6 ins., mkd. +;
from which
A sandstone boulder, 10x6x7 ft., bears North, 7 lks. dist., checking Darling record.

Chains

THE DARLING LINE, 33RD MILE

At + on ledge

I seat a tablet marked Mile Corner No. 33, 1868-1925;

from which

A pinon, 6 ins. diam., bears N. 67° W., 57 lks. dist., mkd. COLO 33 M BT.

A pinon, 6 ins. diam., bears S. 21° W., 1.67 chs. dist., mkd. NM 33 M BT.

Land, 40.00 chs. valley and 40.00 chs. mountainous.

Soil, sandy and stony; 2nd and 4th rate.

Timber, scattering scrub cedar and pinon; undergrowth, oak and service brush.

THE DARLING LINE, 34TH MILE

RETRACEMENT

Beginning at the 37th Mi. Cor., as identified and hereinafter described,

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

66.17 Hour angle observation of Polaris for azimuth, Nov. 7, 1927.

80.00 N. 0.8 lks. to the parallel; the 36th Mi. Cor. has become obliterated.

160.00 N. 3.0 lks. to the parallel; the 35th Mi. Cor. has become obliterated.

240.00 N. 6.8 lks. to the parallel; the 34th Mi. Cor. has become obliterated.

311.75 Altitude observation on the sun for azimuth, Nov. 8, 1927.

320.32 N. 12.2 lks. to the parallel; thence the 33rd Mi. Cor. bears N. 2.163 chs. dist.; on this determination the true line bears S. 89° 37′ W.

REESTABLISHMENT

Thence S. 89° 37′ W., on a reestablishment of the 34th mile.

Ascend over E. slope, through scrub timber and undergrowth.

4.23 The Carpenter 299.25 Mi. Cor. bears North, 2.17 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the remaining bearing tree, other tree could not be identified; ascend 470 ft. over broken, brushy NE. slope.

Chains

THE DARLING LINE, 34TH MILE

26.60 Gulch, course N. 60 E.

40.70 Trail, bears NE. and SW. turning to SE.

41.20 Gulch, course NE.

47.50 Ascend 260 ft. over steep E. slope

66.50 Rim rock, 30 ft. high, bears N. 14 W. and S. 14 E.; leave timber at foot of rim; ascend gradually on narrow mesa.

70.00 Top of ascent on Hardesty Butte, elevation 6013 ft., ridge bears N. 10 W. and S. 10 E.

74.00 Rim rock, 20 ft. high, bears N. 10 W. and S. 10 E.; descend abruptly 100 ft. to corner over brushy W. slope.

80.08 The proportional point; 34th Mi. Cor. destroyed (Carpenter 299th Mi.).

Set a basalt stone, 30x16x10 ins., in a concrete base, 20 ins. in the ground, with tablet seated in top of stone marked Mile Corner No. 34, 1868-1925, and build a mound of stone around the monument.

Land, rough mountainous.

Soil, sandy and stony; 4th rate.

Timber, medium thick scrub cedar and pinon, undergrowth oak and service brush.

THE DARLING LINE, 35TH MILE

REESTABLISHMENT

S. 88 37 W., on a reestablishment of the 35th mile.

Descend W. slope, through scattering oak brush.

10.50 Head of drain, course S. 20 W.; ascend gentle SE. slope.

14.00 Begin gradual descent over SW. slope.

24.78 The Carpenter 298th Mi. Cor. bears North, 2.60 chs. dist.; an iron post, firmly set in gravel and mound of stone; I remove the monument; leave oak brush; thence across nearly level land.

43.50 Wagon road, bears NW. and SE.

44.00 Construct a concrete monument, in a form 16x24x36 ins., set 22 ins.

chains THE DARLING LINE, 35TH MILE

in the ground, with tablet seated on the top marked Mile Corner No. 34 ■ 44 Chs., 1868-1925.

45.27 Denver-Amarillo Gas Line, bears N. 64° 10' W. and S. 64° 10' E.

80.08 The proportional point, 35th Mi. Cor. destroyed (Carpenter 298th Mi.).

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 35, 1868-1925;

from which

The West Spanish Peak, bears N. 69° 51' W.
The East Spanish Peak, bears N. 67° 54' W.
Mound, bears N. 51° 09' W.
Point of bluff, bears N. 20° 11' W.
Point of bluff, bears N. 2° 30' E.
Hay stack mound, bears N. 51° 32' E.
Hill, Sierra Grande, bears S. 28° 15' W.
Mound, bears S. 49° 37' W.
Mound, bears S. 56° 11' W.
Mound, bears S. 57° 45' W.
Hill, bears S. 61° 50' W.
N. point of high mesa at Fisher Peak, bears N. 81° 02' W.
N. point of butte, bears N. 65° 55' E.
S. point of butte, bears S. 83° 54' E.

The first eleven bearings check Darling's record very closely, especially if deflections were made from the true boundary as an E. and W. line.

Land, high plateau N. of breaks to the Cimarron Valley.
Soil, sandy loam, 2nd and 3rd rate.
No timber.

THE DARLING LINE, 36TH MILE

REESTABLISHMENT

S. 89° 37' W., on a reestablishment of the 36th mile.
Across nearly level plateau, N. of the Cimarron Valley.

3.61 The Carpenter 297th Mi. Cor. bears North, 3.02 chs. dist., an iron post, firmly set; I remove this monument.

Chains

THE DARLING LINE, 36TH MILE

60.50 Small house, bears N. about 60 lks. dist.

80.08 The proportional point; 36th Mi. Cor. destroyed (Carpenter 297th Mi.).

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 36, 1868-1925.

Land, high, level plateau N., of breaks to the Cimarron Valley

Soil, sandy loam; 2nd rate.

No timber.

THE DARLING LINE, 37TH MILE

REESTABLISHMENT

S. 89° 37' W., on a reestablishment of the 37th mile

Descend gradually on SW. slope

2.00 Enter oak brush, bears N. and S.

15.31 The closing cor. of secs. 23 and 24, T. 32 N., R. 30 E., N.M.P.M. Mer., New Mexico, bears South, 8 lks. dist.; a sandstone, 24x10x10 ins., above ground, firmly set in mound of stone, mkd. 5 grooves on E., one groove on W., and NM CC on S. face, thence along S. slope.

24.64 The Carpenter 296th Mi. Cor. bears North, 3.31 chs. dist.; an iron post, firmly set in ground and mound of stone, I remove this monument.

29.00 Thence across nearly level land.

54.00 Elevation 5880 ft.; begin gradual descent over SW. slope.

65.40 Rim rock, 25 ft. high, bears N. and S.; descend 330 ft. over brushy, rocky SW. slope.

73.00 Trail, bears N. 30° E. and S. 30° W.

79.50 Base of abrupt descent, bears NW and S.; enter valley of Largo Canon; leave undergrowth.

80.08 Darling's 37th Mi. Cor.; a sandstone, 24x10x8 ins., firmly set in mound of stone, mkd. C on N., NM on S., 37 M on E., and 1868 on W. face; a sandstone, 9x9x5 ins., mkd. 37 M, 10 ins. below the surface.

THE DARLING LINE, 37TH MILE

In place of stone
Construct a concrete monument, in a form 8x14x36 ins., set 20 ins. in the ground, with tablet seated in the top marked Mile Corner No. 37, 1868-1925, and build a mound of stone and earth around the monument.
Land, 65.00 chs. high broken plateau, 15.00 chs. canon wall.
No timber.

THE DARLING LINE, 38TH MILE

RETRACEMENT

Beginning at the 38th Mi. Cor., as identified and hereinafter described; altitude observation on the sun for azimuth, Nov. 7, 1927.
East, on a retracement of the Darling boundary, on a transit line describing a tangent.

79.51 N. 0.8 lks. to the parallel; thence the 37th Mi. Cor. bears N. 28 lks. dist.; on this determination the true line bears S. 89° 48' W.

REESTABLISHMENT

Thence S. 89° 48' W., on a reestablishment of the 38th mile.
In valley of Canon de Largo.

1.50 Arroyo, course SW.

18.30 Arroyo, course S. about 1½ chs. to Largo Canon Creek, which drains SE. to the Cimarron River; thence along N. side of creek in valley.

23.44 The Carpenter 295th Mi. Cor. bears North, 3.63 chs. dist.; an iron post, firmly set; I remove this monument.

29.50 Base of small spur, bears NE. and SW.; ascend SE. slope; enter scattering scrub timber and undergrowth.

35.00 Small spur, slopes S.; descend SW. slope.

37.66 Stone fence, bears N. and S.

38.80 Largo Canon Creek, water in holes and running stream 5 lks. wide, sandy and stony bottom, course S. 20° E., elevation 5500 ft.; ascend along brushy N. slope S. of creek.

Chains

THE DARLING LINE, 38TH MILE

79.51 Darling's 38th Mi. Cor.: a sandstone, 24x8x6 ins., firmly set in a mound of stone, mkd. C on N., NM on S., 38 on E., and 08 on W. face; a sandstone, 10x4x2 ins., mkd. 38, deposited under the mound of stone.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 38, 1868-1925, and build a mound of stone around the monument;

from which

A cedar, 4 ins. diam., bears N. 28¼ W., 37 lks. dist., mkd. COLO 38 M BT.

A cedar, 6 ins. diam., bears S. 12 E., 78 lks. dist., mkd. NM 38 M BT.

The corner stands on brushy N. slope, 3.00 chs. S. of Largo Canon Creek.

C O L O R A D

LAS ANIMAS COUNTY

7 8 9 10 11 12

18 17 16 15 14 13

38 S 89° 48' W 37 S 89° 37' W 36 S 89° 37' W 35 S 89° 37' W 34 S 89° 37' W 33 S 8

79.51 80.08 80.08 80.08

+44.00 +76.00

22 23 24 19 20

Hardesty Butte

Largo Canon Creek

T.32 N., R.30E. T.32 N., R.31E.

5650 5750 5850 5450

UNION COUNTY

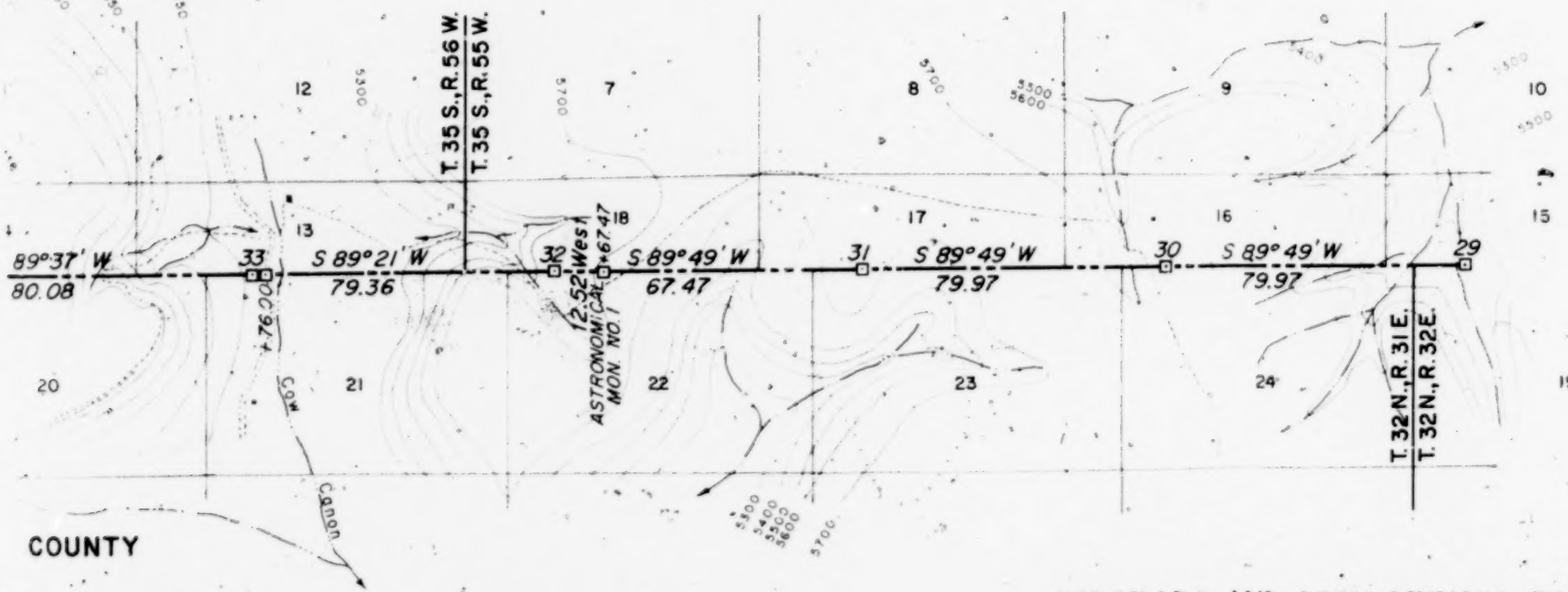
N E W M E X I

SCALE

40 Chains to the inch

R A D O

MAS COUNTY



COUNTY

E X I C O

SCALE

40 chains to the inch

COLORADO AND NEW MEXICO BOUNDARY

This plat depicts the boundary line between the States of Colorado and New Mexico as reestablished by the late Arthur D. Kidder, Boundary Commissioner, under the Decree (268 U.S. 108) of the Supreme Court of the United States, dated April 13, 1925

Joseph C. Thoma

Commissioner

COLORADO AND NEW MEXICO BOUNDARY

FIELD NOTES AND MAP OF SURVEY

MILE CORNER No. 39

to

MILE CORNER No. 45

Chains

THE DARLING LINE, 39TH MILE

RETRACEMENT

Beginning at the 41st Mi. Cor., as identified and hereinafter described,

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

59.83 Altitude observation on the sun for azimuth, Oct. 27, 1927.

80.00 N. 0.8 lks. to the parallel; the 40th Mi. Cor. has become obliterated.

160.00 N. 3.0 lks. to the parallel; the 39th Mi. Cor. has become obliterated.

238.83 N. 6.8 lks. to the parallel; thence the 38th Mi. Cor. bears N. 2.922 chs. dist.; on this determination the true line bears S. 89° 18' W.

REESTABLISHMENT

Thence S. 89° 18' W., on a reestablishment of the 39th mile.

Ascend along N. slope S. of creek, through scattering scrub timber and undergrowth.

7.60 Thence along S. bank of creek.

11.00 Creek bears away from line, continue along broken N. slope.

24.83 The witness corner for the Carpenter 294th Mi. Cor. bears North 2.87 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the two bearing trees.

30.30 Small spur slopes N.

32.70 Deep gulch, course N. 25° E.; ascend 350 ft. over broken, brushy NE. slope.

62.50 Rim rock 30 ft. high, bears N. 47° W. and S. 61° E.; begin gentle ascent of mesa.

64.50 Top of ascent; begin gentle descent.

68.60 Head of drain, course N. 10° W.; ascend gentle E. slope.

79.62 The proportional point; unable to identify Darling's 39th Mi. Cor. Construct a concrete monument, in a form 8x14x36 ins., set in a concrete base, 18 ins. in ground on bedrock, with tablet seated in the top marked Mile Corner No. 39, 1868-1925, and build a mound of stone and earth around the monument;

from which

THE DARLING LINE, 39TH MILE

A pinon, 8 ins. diam., bears N. 56½ W., 70 lks. dist., mkd. COLO 39 M BT.

A cedar, 5 ins. diam., bears S. 20¼ W., 55 lks. dist., mkd. NM 39 M BT.

Corner stands on highest point of narrow mesa; elevation 5987 ft.

Land, rough mountainous.

Soil, sandy and stony; 4th rate.

Timber, scattering scrub cedar and pinon; undergrowth, oak and service brush.

THE DARLING LINE, 40TH MILE

REESTABLISHMENT

S. 89 18' W., on a reestablishment of the 40th mile.

On level mesa top, through dense scrub timber and undergrowth.

2.40 Begin descent of W. slope.

8.20 Bed of small canon, course N. 10 E.; ascend E. slope.

20.00 Top of ascent; thence over nearly level mesa.

25.16 The Carpenter 293rd Mi. Cor. bears North, 4.71 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

Ascend very gradually.

30.00 Top of ascent; elevation 6020 ft.; begin gradual descent.

48.90 Rim rock 30 ft. high, bears N. and S.; descend 280 ft. over brushy W. slope; leave dense scrub timber, enter scattering timber.

56.00 Base of abrupt descent, bears N. and S.; enter valley, leave scattering timber and undergrowth.

64.50 Arroyo in canon, course N. 30 E.; elevation 5710 ft.; ascend NE. slope on S. side of main arroyo in Canon de Largo.

74.20 Enter scattering scrub timber and undergrowth; ascend steeper NE. slope.

79.62 The proportional point; 40th Mi. Cor. destroyed (Carpenter 293rd Mi.).

Construct a concrete monument, in a form 8x14x36 ins., set 22 ins.

Chains

THE DARLING LINE, 40TH MILE

in the ground, with tablet seated in the top marked Mile Corner No. 40, 1868-1925;

from which

A pinon, 18 ins. diam., bears S. 84 E., 58 lks. dist., mkd. X 40 M BT.

Land, 60.00 chs. rough mountainous, 20.00 valley.

Soil, sandy and stony; 3rd and 4th rate.

Timber, scrub cedar and pinon; undergrowth, oak brush.

THE DARLING LINE, 41ST MILE

REESTABLISHMENT

S. 89 18' W., on a reestablishment of the 41st mile.

Ascend abruptly 220 ft. over brushy NE. slope.

9.21 The Carpenter 292.2 Mi. Cor. bears North, 5.36 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove the monument.

21.90 Point of mesa on rim rock, which bears S. 20 W. and S. 70 E.; descend 230 ft. over brushy NW. slope, enter very scattering timber.

36.90 Arroyo in Canon de Largo, course N. 60 E.; ascend SE. slope over point of spur; elevation 5750 ft.

45.50 Spur slopes S.; descend SW. slope.

48.60 Arroyo in Canon de Largo, course S. 30 E.; ascend 280 ft. over brushy NE. slope.

61.20 Rim rock, bears N. 10 W. and S. 10 E.

62.00 Begin gradual descent.

73.20 Head of gulch, course N. 20 E.; ascend E. slope.

79.62 Darling's 41st Mi. Cor.; a sandstone, 26x7x6 ins., firmly set in mound of stone, mkd. C on N., NM on S., 41 M on E., and 68 on W. face; a sandstone, 12x4x3 ins., mkd. 41 M deposited under the mound of stone;

from which

A pinon, 14 ins. diam., bears N. 80 W., 18 lks. dist., no marks.

In place of stone

THE DARLING LINE, 41st MILE

Construct a concrete monument, in a form 8x14x36 ins., set in a concrete base on sandstone ledge, with tablet seated in the top marked Mile Corner No. 41, 1868-1925, and build a mound of stone around the monument

from which

A pinon, 5 ins. diam., bears N. 6° E., 26 lks. dist., mkd. COLO 41 M BT.

A pinon, 8 ins. diam., bears S. 38½° W., 50 lks. dist., mkd. NM 41 M BT.

Land, mountainous.

Soil, sandy and stony; 4th rate.

Timber, scattering scrub cedar and pinon; undergrowth, oak brush.

THE DARLING LINE, 42ND MILE

RETRACEMENT

Beginning at the 43rd Mi. Cor., as identified and hereinafter described,

East, on a retracement of the Darling boundary, on a transit line describing a tangent

80.00 N. 0.8 lks. to the parallel; the 42nd Mi. Cor. has become obliterated.

159.06 N. 3.0 lks. to the parallel; thence the 41st Mi. Cor. bears N. 1,238 chs. dist.; on this determination the true line bears S. 89° 33' W.

REESTABLISHMENT

Thence S. 89° 33' W., on a reestablishment of the 42nd mile.

Ascend gradually, through dense scrub timber and undergrowth.

[illegible] Top of ascent, thence cross open park on nearly level mesa.

[illegible]00 The closing cor. of Tps. 32 N., Rs. 29 and 30 E., NM Prin. Mer., New Mexico, bears N. 27 lks. dist.; a sandstone, 16x10x6 ins., firmly set in a mound of stone, mkd. CC AD 73 on S. face; fence S. from corner.

Leave park, enter dense timber and undergrowth.

[illegible]99 The Carpenter 291st Mi. Cor. bears North, 6.27 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

Descend NW. slope.

Chains

THE DARLING LINE, 42ND MILE

33.00 Small canon, near head, course NE.; ascend SE. slope.

50.00 Leave dense timber, enter scattering timber in park on mesa.

52.85 Wood road, bears N. 43° E. and S. 43° W.

54.00 Construct a concrete monument, in a form 8x14x36 ins., set 24 in in the ground, with tablet seated in the top marked Mile Corn No. 41 + 54 Chs., 1868-1925, and build a mound of stone an earth around the monument;

from which

A pinon, 7 ins. diam., bears N. 29° E., 4.27 chs. dist., mkd. W COLO BT.

A pinon, 14 ins. diam., bears S. 51½° E., 2.34 chs. dist., mkd. W NM BT.

Top of ascent; elevation 6134 ft.; begin gradual descent.

67.50 Rim of canon, bears N. 70° E. and SW.; descend 120 ft. over broke brushy NW. slope.

79.53 The proportional point; unable to identify Darling's 42nd Mi. Cor. Construct a concrete monument, in a form 8x14x36 ins., set 22 in in the ground, with tablet seated in the top marked Mile Corn No. 42, 1868-1925, and build a mound of stone and earth aroun the monument;

from which

A large sandstone boulder bears S., 12 lks. dist., with a dead ceda tree W. of stone.

A cedar, 7 ins. diam., bears N. 58½° E., 63 lks. dist., mkd. COL 42 M BT.

A cedar, 15 ins. diam., bears S. 49½° W., 59 lks. dist., mkd. NM 42 M BT.

Land, high mesa, cut with small canons.

Soil, sandy clay and stony; 3rd and 4th rate.

Timber, scrub cedar and pinon; undergrowth, oak brush.

THE DARLING LINE, 43RD MILE

REESTABLISHMENT

S. 89° 33' W., on a reestablishment of the 43rd mile.

Along brushy N. slope, through scattering scrub cedar.

COLORADO AND NEW MEXICO BOUNDARY

CHAINS

THE DARLING LINE, 43RD MILE

7.00 Arroyo in Canon de Largo, course N. 75 E.; elevation 5970 ft.; ascend SE. slope.

13.50 Rim of canon, bears NE. and S. 60 W.; leave scrub timber.

16.20 Point of spur, slopes S. from N. rim of canon.

19.00 Rim of canon, bears NW. and S. 60 E.; descend SW. slope.

22.50 Ascend SE. slope.

25.08 The Carpenter 290th Mi. Cor. bears North, 6.56 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

27.00 Rim of canon, bears NE. and SW.; thence along N. rim.

46.00 Rim of canon, bears NW. and SE.; descend SW. slope.

47.10 Canon de Largo, course S. 20 E.; elevation 6070 ft.; ascend over brushy NE. slope.

48.70 Small gulch, course NE.

57.80 Rim of canon, bears N. 20 W. and SE.; thence ascend gradually on nearly level mesa.

79.53 Darling's 43rd Mi. Cor.: a sandstone, 8x5x3 ins., mkd. 43, deposited 14 ins. below the surface and small mound of stone.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set in a concrete base 12 ins. in ground on bedrock, with tablet seated in the top marked Mile Corner No. 43, 1868-1925, and build a mound of stone around the monument.

from which

A pit, 18x18x12 ins., bears West, 10 lks. dist.

A pit, 18x18x4 ins., bears East, 10 lks. dist.

Land, mountainous.

Soil, sandy and stony; 4th rate.

Timber, scattering scrub cedar; undergrowth, oak brush.

THE DARLING LINE, 44TH MILE

RETRACEMENT

Beginning at the 44th Mi. Cor., as identified and hereinafter described,

Chains

THE DARLING LINE, 44TH MILE

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

54.47 Altitude observation on the sun for azimuth, Oct. 25, 1927.

79.65 N. 0.8 lks. to the parallel; thence the 45rd Mi. Cor. bears N. 40 lks. dist.; on this determination the true line bears S. 89° 42′ W.

REESTABLISHMENT

—— Thence S. 89° 42′ W., on a reestablishment of the 44th mile. Ascend gradually, over prairie mesa.

7.20 Arroyo, course N. 20° E.

25.41 The Carpenter 289th Mi. Cor. bears North, 6.89 chs. dist.; an iron post, firmly set; I remove this monument.

30.00 Base of hill, bears NW. and SE.; ascend 150 ft. over NE. slope enter scattering brush.

38.30 Drain, course N. 10° E.

43.60 Spur, slopes N.; elevation 6410 ft.; descend NW. slope.

48.00 Thence across nearly level bench S. of knoll.

54.00 Begin descent from bench, over West slope.

67.40 Arroyo, near head of Largo Canon Creek, course N. 10° E.; ascend 130 ft. over East slope to corner.

79.65 Darling's 44th Mi. Cor.; a basalt stone, 15x8x6 ins., firmly set; mkd. C on N., NM on S., 44 M on E., and 68 on W. face; a basalt stone, 10x7x3 ins., mkd. 44 M, 14 ins. below the surface.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 22 ins. in the ground, with tablet seated in the top marked Mile Corner No. 44, 1868-1925, and build a mound of stone and earth around the monument;

from which

Pits, 18x18x12 ins., bear E. and W. of cor., 10 lks. dist.

Land, 30.00 chs. nearly level prairie mesa; 50.00 chs. rolling.

Soil, sandy loam and stony; 3rd rate.

No timber.

Chains.

THE DARLING LINE, 45TH MILE

RETRACEMENT

Beginning at the 45th Mi. Cor., as identified and hereinafter described,

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

59.00 Altitude observation on the sun for azimuth, Oct. 25, 1927.

80.21 N. 0.8 lks. to the parallel; thence the 44th Mi. Cor. bears S. 15.1 lks. dist.; on this determination the true line bears N. 89° 54′ W.

REESTABLISHMENT

Thence N. 89° 54′ W., on a reestablishment of the 45th mile.
Ascend E slope, through scattering oak brush.

16.90 Top of divide between the Cimarron and Las Animas Rivers, bears N. 20° E. and S.; elevation 6550 ft.; thence along N. slope.

25.36 The Carpenter 288th Mi. Cor. bears North, 7.10 chs. dist., an iron post, firmly set in ground and mound of stone; I remove this monument.

46.50 Head of drain, course N. 10° E.; ascend gentle NE. slope.

60.00 Spur slopes N.; descend W. slope; enter thick oak brush.

80.21 Darling's 45th Mi. Cor.; a basalt stone, 28x11x6 ins., firmly set in crevice of large basalt boulder, mkd. C on N., NM on S., 45 M on E., and 68 on W. face.

In place of stone

Construct a concrete monument, 16x12x12 ins. above boulder, with concrete base in crevice of boulder, with tablet seated in top of monument marked Mile Corner No. 45, 1868-1925.

Land, rolling mountainous.

Soil, sandy clay and stony; 4th rate.

No timber.

C O L O R A D O

LAS ANIMAS COUNTY

T. 35 S., R. 58 W.

T. 35 S., R. 57 W.

12 7 8 9 10. 11

13 18 17 16 15 14

45 N 89°54' W 80.21 — 44 S 89°42' W 79.65 — 43 S 89°33' W 79.53 — 42 S 89°33' W 79.53 — 41 S 89°18' W 79.62 — 40 S 8

54.00

21 22 23 24 19

T. 32 N., R. 29 E.

T. 32 N., R. 30 E.

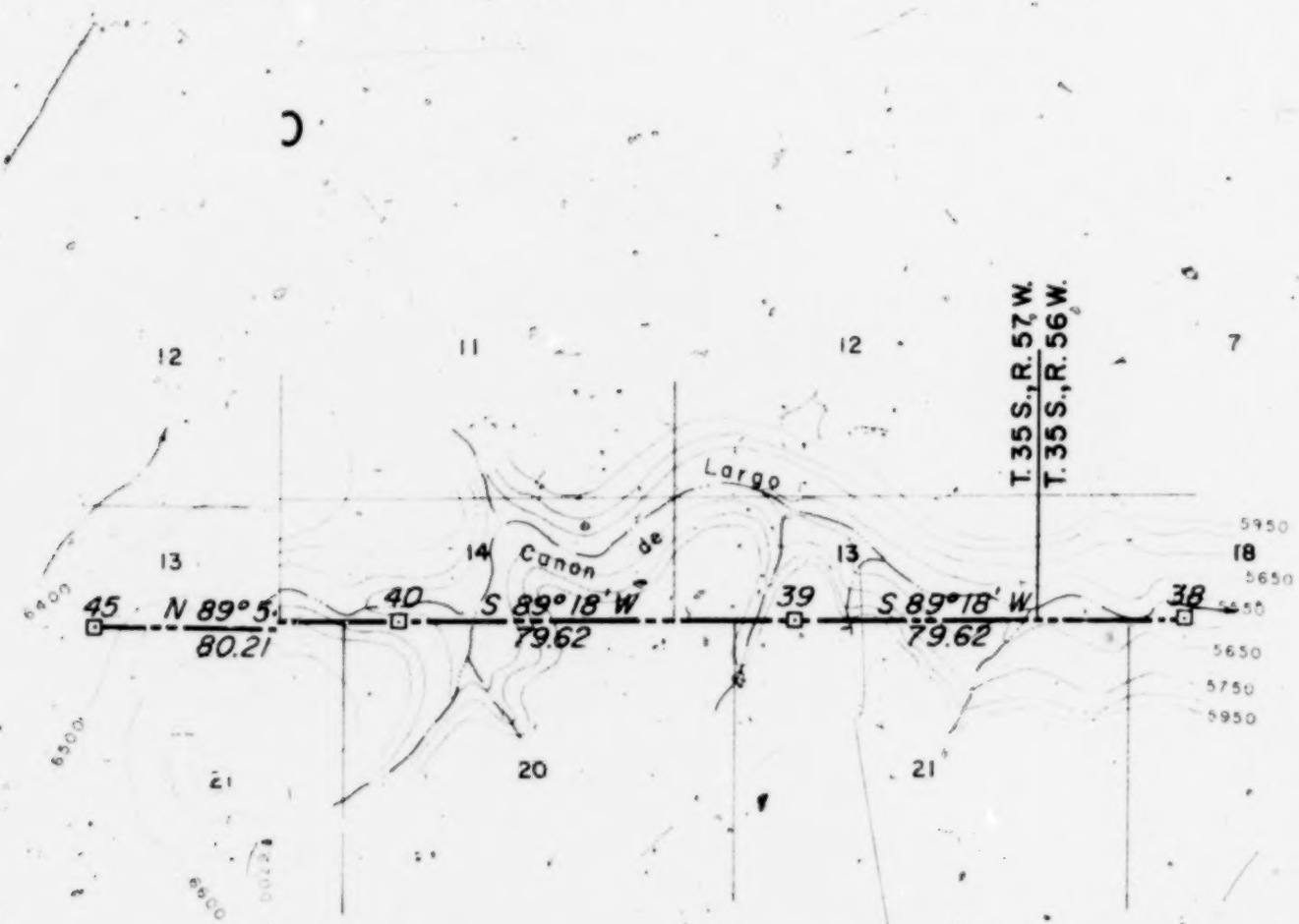
UNION COUNTY

N E W M E X I C O

SCALE

0 10 20 30 40 80

40 Chains to the inch



COLORADO AND NEW MEXICO BOUNDARY

This plat depicts the boundary line between the States of Colorado and New Mexico as reestablished by the late Arthur D Kidder, Boundary Commissioner, under the Decree (268 U.S. 108) of the Supreme Court of the United States, dated April 13, 1925.

Joseph C. Thoma

Commissioner

COLORADO AND NEW MEXICO BOUNDARY

FIELD NOTES AND MAP OF SURVEY

MILE CORNER No. 46

to

MILE CORNER No. 52

Chains

THE DARLING LINE, 46TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

32.76 Altitude observation on the sun for azimuth, Oct. 13, 1927.

80.00 N. 0.8 lks. to the parallel; the 46th Mi. Cor. has become obliterated.

159.46 N. 3.0 lks. to the parallel; thence the 47th Mi. Cor. bears S. 1.752 chs. dist.; on this determination the true line bears S. 89° 22′ W.

REESTABLISHMENT

Thence from the 45th Mi. Cor. S. 89° 22′ W., on a reestablishment of the 46th mile.

Descend brushy W. slope.

9.00 Base of descent; enter high valley; leave brush.

16.30 Junction of arroyos, course from N. 60° E. and N. to N. 20° E.; ascend gentle E. slope in high valley.

30.00 Construct a concrete monument, in a form 16x24x36 ins., set 22 ins. in the ground, with tablet seated in the top marked Mile Corner No. 45 + 30.00 Chs., 1868-1925; elevation 6360.486 ft.

30.56 Wire fence, bears N. 24¼° E. and S. 24¼° W.

31.33 Highway from Folsom, N. M., to Branson, Colo., bears N. 24¼° E. and S. 24¼° W.

31.66 Wire fence, bears N. 24¼° E. and S. 24¼° W.

32.90 The Colorado and Southern Ry., bears N. 24° 16′ E. and S. 24° 16′ W.

33.78 Wire fence, bears N. 24¼° E. and S. 24¼° W.

34.91 The Carpenter 287th Mi. Cor. bears North, 7.33 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

35.15 Colorado and Southern Ry. Bench Mark No. 264, elevation 6381.38 ft., bears S., 4.59 chs. dist.

Ascend gentle SE. slope through oak brush.

56.05 Wire fence, bears N. and S.

79.74 The proportional point; unable to identify Darling's 46th Mi. Cor.

Chains

THE DARLING LINE, 46TH MILE

Construct a concrete monument, in a form 8x14x36 ins., set in concrete base 18 ins. in ground on bedrock, with tablet seated in the top marked Mile Corner No. 46, 1868-1925, and build a mound of stone around the monument.

Land, rolling mountainous.

Soil, stony clay; 3rd and 4th rate.

No timber.

THE DARLING LINE, 47TH MILE

REESTABLISHMENT

S. 89° 22′ W., on a reestablishment of the 47th-mile.

Ascend 300 ft. over broken, brushy SE. slope.

32.90 Top of basalt rim rock, 50 ft. high, bears N. 67° E. and S. 59° W.; the eastern point of the Raton Mountains; elevation 6965 ft.; thence ascend gradual E. slope on mesa.

34.63 The Carpenter 286th Mi. Cor. bears North, 8.21 chs. dist.; an iron post, firmly set; I remove this monument.

Top of ascent; elevation 6975 ft.; leave oak brush.

49.00 Begin gradual descent.

58.00 Enter oak brush.

61.60 Head of drain, course N. 15° E.; ascend brushy E. slope.

67.00 Leave oak brush.

79.74 Darling's 47th Mi. Cor.; a basalt stone, 16x8x5 ins., loosely set in mound of stone, mkd. C on N., NM on S., 47 M on E., and 68 on W. face.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 22 ins. in the ground, with tablet seated in the top marked Mile Corner No. 47 1868-1925, and build a mound of stone and earth around the monument;

from which

Pits, 18x18x12 ins., bear E. and W. of cor., 10 lks. dist.

East Spanish Peak, bears N. 63° 09′ W.

West Spanish Peak, bears N. 66° 17′ W.

Chains

THE DARLING LINE, 47TH MILE

Capulin Peak bears S. 14° 53' W.
Land, 50.00-chs. mountainous, 30.00 chs. nearly level mesa.
Soil, stony clay; 3rd and 4th rate.
No timber.

THE DARLING LINE, 48TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.14 N. 0.8 lks. dist. to the parallel; thence the 48th Mi. Cor. bears S. 79.7 lks. dist.; altitude observation on the sun for azimuth, Oct. 14, 1927; on this determination the true line bears S. 89° 26' W.

REESTABLISHMENT

Thence from the 47th Mi. Cor. S. 89° 26' W., on a reestablishment of the 48th mile.
Ascend gradual E. slope on mesa.

7.50 Top of ascent; divide between the Cimarron and Las Animas Rivers, bears NW. and SE.; elevation 7030 ft.; begin gradual descent.

14.70 Rim of canon near head, bears N. turning to NW. and S. 15 E.; descend 80 ft. over brushy SW. slope.

19.30 Head of canon, course S. 20° E.; thence along brushy S. slope in small canon.

35.07 The Carpenter 2 5th Mi. Cor. bears North, 8.98 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

39.40 Rim of canon, bears NE. and SW.; begin gradual ascent on mesa.

47.00 Top of ascent; divide between the Cimarron and Las Animas Rivers, bears NE. and SW.; elevation 7060 ft.; descend gradually on mesa.

51.40 Rim of mesa, bears N. 20° E. turning to N. 70° E. and S. 69° W.; descend 200 ft. over steep brushy NW. slope.

Chains

THE DARLING LINE, 48TH MILE

62.00 Base of abrupt descent, bears N. 60° E. and S. 60° W.; enter scattering scrub timber; thence descend gradually on bench.

80.14 Darling's 48th Mi. Cor.; a basalt stone, 20x10x8 ins., loosely set in mound of stone, mkd. C on N., NM on S., 48 M on E., and 68 on W. face; a basalt stone, 10x6x3 ins., mkd. 48 M, deposited under the mound of stone.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 22 ins. in the ground, with tablet seated in the top marked Mile Corner No. 48, 1868-1925, and build a mound of stone and earth around the monument;

from which

A pine, 12 ins. diam., bears N. 27° E., 3.35 chs. dist., mkd. COLO 48 M BT.

A pine, 7 ins. diam., bears S. 38½° W., 3.64 chs. dist., mkd. NM 48 M BT.

Land, mountainous.

Soil, sandy clay and stony; 4th rate.

Timber, scattering scrub cedar and pine; undergrowth, oak brush.

THE DARLING LINE, 49TH MILE

RETRACEMENT

Altitude observation on the sun for azimuth, Oct. 14, 1927.

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.00 The 49th Mi. Cor. was not established by Darling; point falls on cliff; continue distance.

[illegible]0.00 N. 3.0 lks. to the parallel; the 50th Mi. Cor. has become obliterated.

[illegible]3.68 N. 6.8 lks. to the parallel; thence the 51st Mi. Cor. bears S. 1.841 chs. dist.; on this determination the true line bears S. 89° 33' W.

REESTABLISHMENT

Thence from the 48th Mi. Cor. S. 89° 33' W., on a reestablishment of the 49th mile.

Along brushy N. slope, through scattering scrub timber.

Chains THE DARLING LINE, 49TH MILE

20.00 Begin descent of NW. slope.

34.67 The Carpenter 284th Mi. Cor. bears North, 9.65 chs. dist.; an iron post, firmly set in mound of stone; I remove this monument and obliterate the marks on the two bearing trees.

44.65 Trail and pipe line, bears N. and S.

45.00 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 48 + 45 Chs., 1868-1925, and build a mound of stone and earth around the monument;

from which

A pinon, 12 ins. diam., bears N. 54¼° W., 1.10 chs. dist., mkd. WP COLO BT.

A pinon, 5 ins. diam., bears S. 30¾° W., 83 lks. dist., mkd. WP NM BT.

47.00 Small canon, course N. 30° W. turning to N.; leave scattering timber; ascend 380 ft. over steep brushy NE. slope.

64.30 Top of abrupt ascent; cross nearly level bench; enter timber, bears NW. and SE.

70.00 Construct a concrete monument, in a form 8x14x36 ins., set 22 ins. in the ground, with tablet seated in the top marked Mile Corner No. 48 + 70 Chs., 1868-1925, and build a mound of stone around the monument;

from which

A pine, bears N. 50½° E., 97 lks. dist., mkd. WP COLO BT.

A pine, bears S. 22½° E., 54 lks. dist., mkd. WP NM BT.

Ascend 290 ft. over steep brushy NE. slope and rock wall.

77.70 Top of basalt rim rock, 80 ft. high, bears SW. and S. 53° E.; elevation 7190 ft.; leave timber at foot of wall.

79.56 The proportional point, the 49th Mi. Cor. was not established by Darling; point falls on rim rock; I did not establish this corner.

Land, rough mountainous.

Soil, stony clay; 4th rate.

Timber, scattering scrub cedar and pinon, and dense scrub pine undergrowth, dense oak and service brush.

Chains

THE DARLING LINE, 50TH MILE

REESTABLISHMENT

S. 89° 33′ W., on a reestablishment of the 50th mile.
Ascend NE. slope along rim rock, through oak and service brush.

6.70 Top of rim rock, bears NW. and SE.; ascend NE. slope on mesa; enter scattering scrub timber.

15.00 Spur, slopes N. 20° W.; descend 230 ft. over W. slope.

20.91 The Carpenter 283.175 Mi. Cor. bears North, 10.19 chs. dist.; an iron post, firmly set in mound of stone; I remove this monument and obliterate the marks on the bearing tree.

27.60 Small canon, course N. 10° E. turning to N.; ascend 320 ft. over steep E. slope.

43.00 Top of ascent on spur, sloping N.; elevation 7362 ft.
Construct a concrete monument, in a form 8x14x36 ins., set in concrete base 8 ins. in ground on bedrock, with tablet seated in the top marked Mile Corner No. 49 + 43 Chs., 1868-1925, and build a mound of stone around the monument;
from which
A pine, 5 ins. diam., bears N. 52¾° E., 1.87 chs. dist., mkd. WP COLO BT.
A pine, 7 ins. diam., bears S. 78¾° E., 74 lks. dist., mkd. WP NM BT.
Saddle Rock, bears N. 44½° E., 45 chs. dist.
Water tank at Branson, Colo., bears N. 74° 09′ E.
Chimney on High School at Branson, Colo., bears N. 64° 57′ E.
Descend on spur.

44.50 Top of rim rock, 20 ft. high, bears SW. and NE. turning to E.; descend 140 ft. over steep brushy NW. slope.

51.00 Base of abrupt descent; thence along N. slope at N. edge of bench.

59.56 The proportional point; unable to identify Darling's 50th Mi. Cor.
Construct a concrete monument, in a form 8x14x36 ins., set 22 ins. in the ground, with tablet seated in the top marked Mile Corner No. 50, 1868-1925, and build a mound of stone and earth around the monument;
from which
A pine, 5 ins. diam., bears N. 57° W., 2.72 chs. dist., mkd. COLO 50M BT.

Chains

THE DARLING LINE, 50TH MILE

A pine, 8 ins. diam., bears S. 40° E., 1.23 chs. dist., mkd. NM 50 M BT.

Land, rough mountainous.

Soil, stony loam, 4th rate.

Timber, scattering scrub pinon and pine; undergrowth, dense oak and service brush.

THE DARLING LINE, 51ST MILE

REESTABLISHMENT

S. 89° 33' W., on a reestablishment of the 51st mile.

Descend gradually on bench, through dense oak brush.

2.00 Descend 750 ft. over broken, brushy NW. slope for balance of mile; scattering scrub timber on slope.

12.36 Spring, bears N., 1.80 chs. dist.; good water.

34.57 The Carpenter 282nd Mi. Cor. bears North, 10.76 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

54.60 Gulch, course N. 5° W. turning to N. 30° W.

65.00 Spur, slopes N.

79.56 Darling's 51st Mi. Cor. position, as identified by C. J. Ortiz, who was born Aug. 27, 1872, and has been a resident near this corner for 16 years. The position falls at E. bank of graded road, leading to the Ortiz house, .5 chs. SW. In grading the road in 1927 the workmen unearthed and graded out this corner, but preserved the true position and replaced the stone after grading. The stone is a basalt, 20x8x6 ins., mkd. C, NM, 51 M and 68 on opposite faces. I find a deposit basalt stone, 7x5x3 ins., mkd. 51 M. Mr. Ortiz also states this corner was first shown to him by the County Surveyor of Union County, New Mexico, in 1913.

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 51, 1868-1925;

from which

A pine, bears S. 24½° W., 90 lks. dist., mkd. NM 51 M BT.

THE DARLING LINE, 51ST MILE

A pine, bears N. 22½ E., 1.72 chs. dist., mkd. COLO 51 M BT
The SE. corner of the C. J. Ortiz residence bears S. 40 21 W., 5.05 chs. dist.

Land, mountainous.

Soil, stony loam: 4th rate.

Timber, scattering scrub cedar and pinon.

THE DARLING LINE, 52ND MILE

RETRACEMENT

Altitude observation on the sun for azimuth, June 21, 1928.

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

.57 N. 0.8 lks. to the parallel; thence the 52nd Mi. Cor. bears S. 90 lks. dist.; on this determination the true line bears S. 89 21' W.

REESTABLISHMENT

Thence from the 51st Mi. Cor. S. 89 21' W., on a reestablishment of the 52nd mile.

Over broken land, through scattering oak brush.

.05 Road, bears N. and S., turning to N. 30 E.

.15 Arroyo, course N.

.20 Small spur, slopes NE.

.80 Arroyo, course NE.; enter scattering timber; ascend 120 ft. over NE. slope.

.69 The Carpenter 281st Mi. Cor. bears North, 11.39 chs. dist.; an iron post, firmly set in mound of stone; I remove this monument and obliterate the marks on the bearing tree.

.90 Spur, slopes N.; elevation 6490 ft.; descend 80 ft. over NW. slope, through dense timber.

.10 Descend 30 ft. over SW. slope.

.68 Darling's 52nd Mi. Cor.; a basalt stone, 8x10x16 ins., firmly set in mound of stone, mkd. C on N., NM on S., 52 on E., and 68 on W. face.

Briefs.

Chains

THE DARLING LINE, 52ND MILE

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24
in the ground, with tablet seated in the top marked Mile C
No. 52, 1868-1925, and build a mound of stone around the m
ment;

from which

A pinon, 6 ins. diam., bears N. 19° 15' W., 57 lks. dist.,
COLO 52 M BT.

A pinon, 7 ins. diam., bears S. 59° 30' E., 80 lks. dist., mkd.
52 M BT.

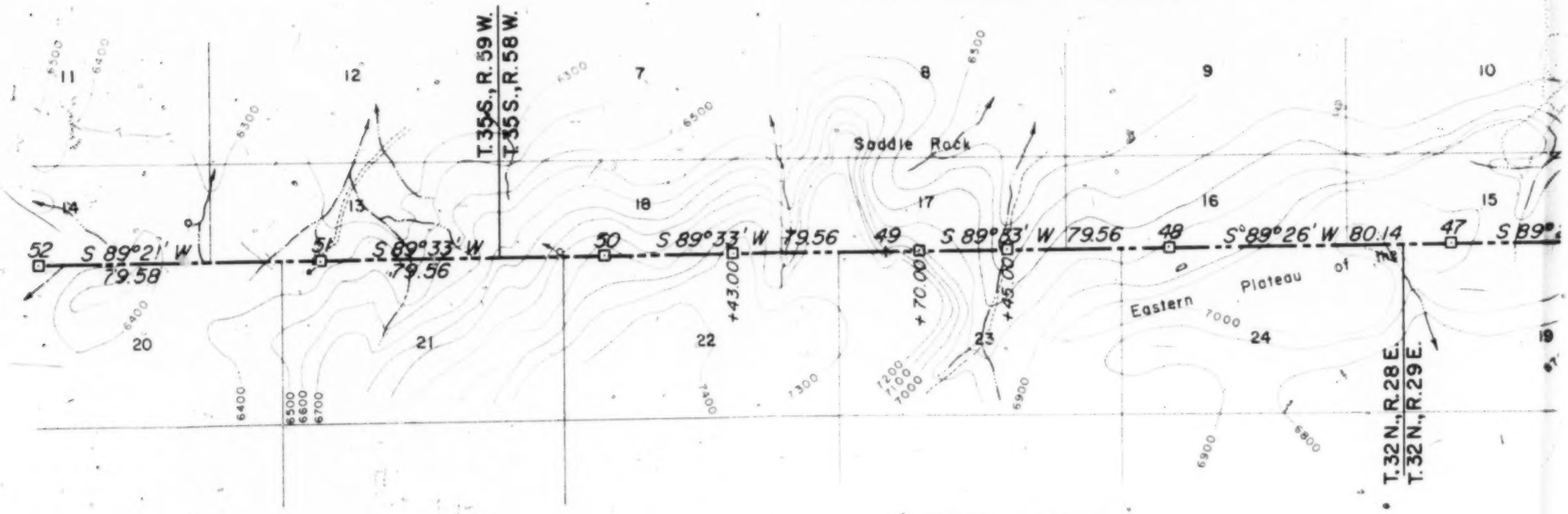
Land, broken.

Soil, sandy loam and stony; 2nd and 3rd rate.

Timber, 35.00 chs. scattering cedar and pinon, 29.00 chs. de
undergrowth, oak brush.

C O L O R A D O

LAS ANIMAS COUNTY



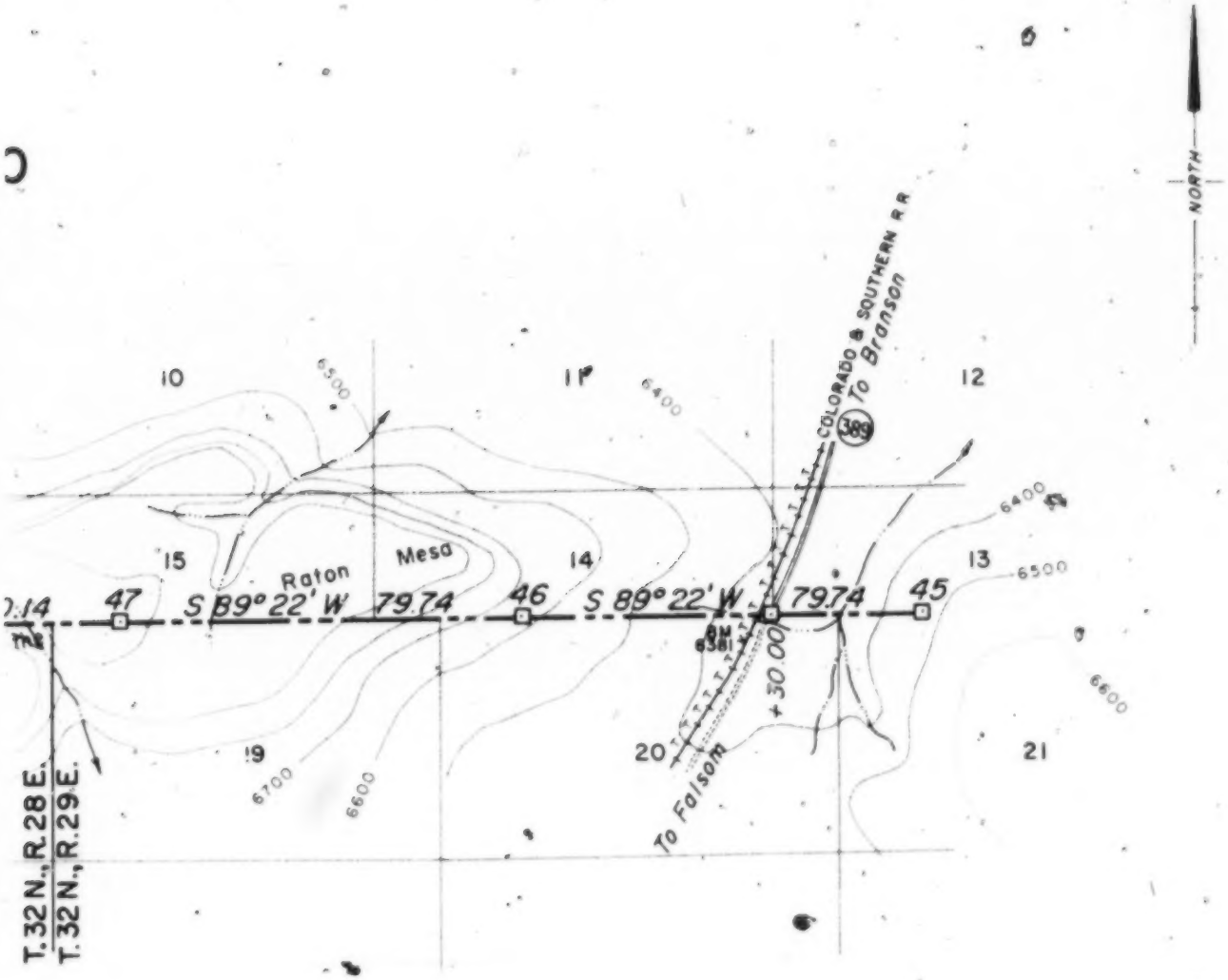
UNION COUNTY

N E W M E X I C O

SCALE

0 10 20 30 40 80

40 Chains to the inch



COLORADO AND NEW MEXICO BOUNDARY

This plat depicts the boundary line between the States of Colorado and New Mexico as reestablished by the late Arthur D. Kidder, Boundary Commissioner, under the Decree (268 U.S. 108) of the Supreme Court of the United States, dated April 13, 1925

Joseph C. Thoma

Commissioner

COLORADO AND NEW MEXICO BOUNDARY

FIELD NOTES AND MAP OF SURVEY

MILE CORNER No. 53

to

MILE CORNER No. 60

Chains

THE DARLING LINE, 53RD MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.00 N. 0.8 lks. to the parallel; the 53rd Mi. Cor. has become obliterated

160.00 N. 3.0 lks. to the parallel; the 54th Mi. Cor. has become obliterated

240.18 N. 6.8 lks. to the parallel; thence the 55th Mi. Cor. bears S. 1.97 chs. dist.; altitude observation on the sun for azimuth, June 2[illegible] 1928; on this determination the true line bears S. 89° 32′ W.

REESTABLISHMENT

Thence from the 52nd Mi. Cor. S. 89° 32′ W., on a reestablishment of the 53rd mile.

Descend 20 ft. over SW. slope, through dense timber.

6.00 Descend 210 ft. over W. slope.

24.00 Leave timber, bears N. and S.

27.60 Creek, 15 lks. wide, rocky bottom, course N., elevation 6140 ft.; ascend 40 ft.

35.41 The Carpenter 280th Mi. Cor. bears North, 12.11 chs. dist.; an iron post, firmly set in mound of stone; I remove this monument and obliterate the marks on the bearing tree.

36.00 Top of low ridge, bears N. and S.; descend 30 ft.

48.00 Construct a concrete monument, in a form 8x14x36 ins., set 20 ins. in the ground, with tablet seated in the top marked Mile Corner No. 52 + 48 Chs., 1868-1925, and build a mound of stone and earth around the monument;

from which

A farm house, bears S. 11° 30′ E.

Cone Mt., bears S. 88° 30′ E.

48.80 Road, bears N. 10° W. and S. 10° E.

53.00 Arroyo, course N. 20° W.; ascend 60 ft.

71.70 Point of spur, slopes N.; descend 30 ft.

76.60 Arroyo, course N. 15° E. turning to N. 60° E.; ascend 30 ft., through scattering oak brush.

Chains

THE DARLING LINE, 53RD MILE

80.06 The proportional point; unable to identify Darling's 53rd Mi. Cor. Construct a concrete monument, in a form 8x14x36 ins., set 22 ins. in the ground, with tablet seated in the top marked Mile Corner No. 53, 1868-1925;
from which
Point of mesa, bears S. 29° 45' W.
Saddle Rock, bears N. 84° E.
Land, rolling
Soil, sandy clay and stony; 2nd and 3rd rate.
Timber, dense cedar and pinon; undergrowth, oak brush.

THE DARLING LINE, 54TH MILE

REESTABLISHMENT

S. 89° 32' W., on a reestablishment of the 54th mile.
Ascend 100 ft. over steep E. slope, through scattering oak brush.

7.00 Enter scattering timber.

7.70 Top of spur ridge, bears N. and S.; descend 80 ft.

14.70 Arroyo, course N. 30° W. turning to N. 15° W. and N.; ascend 50 ft.

19.40 Spur, slopes N.; descend 40 ft.

23.70 Arroyo, course N. 20° E.; ascend 50 ft.

29.45 The Carpenter 279.075 Mi. Cor. bears North, 12.64 chs. dist.; an iron post, firmly set in mound of shale; I remove this monument.

29.50 Spur ridge, bears N. and S.; descend 60 ft.

40.00 Arroyo, with springs, course N.; ascend 40 ft.

44.50 Spur ridge, bears N. and S.; descend 60 ft.

60.30 Arroyo, course N.; ascend 50 ft.

69.20 Spur ridge, bears N. and S.; descend 20 ft. gradually.

79.00 Enter dense timber.

80.06 The proportional point; unable to identify Darling's 54th Mi. Cor. Construct a concrete monument, in a form 8x14x36 ins., set 22 ins. in the ground, with tablet seated in the top marked Mile Corner

Chains THE DARLING LINE, 54TH MILE

No. 54, 1868-1925, and build a mound of stone and earth arou
the monument;
from which
A pinon, 4 ins. diam., bears N. 69° 15' W., 96 lks. dist., mk
COLO 54 M BT.
A pinon, 5 ins. diam., bears S. 11° 45' W., 31 lks. dist., mkd. N
54 M BT.
Land, rolling mountainous.
Soil, sandy and stony; 3rd rate.
Timber, scattering cedar and pinon; undergrowth, oak brush.

THE DARLING LINE, 55TH MILE

REESTABLISHMENT

S. 89° 33' W., on a reestablishment of the 55th mile.
[illegible] 30 ft. on gradual W. slope, through dense timber a
scattering undergrowth.

18.50 Descend 60 ft. over NW. slope.

23.60 Arroyo, course S. 60° W.; cross point of spur on S. slope.

26.60 Small spur, slopes SW.; descend 60 ft.

27.16 The Carpenter 278.1 Mi. Cor. bears North, 12.36 chs. dist.; an ir
post, loosely set in small mound of shale; I remove this monume

36.30 Arroyo, course NW.; ascend 60 ft.

53.60 Spur ridge, bears N. and S.; thence along top of ridge.

61.00 Spur ridge, bears N. 20° W. and S. 20° E.; descend 170 ft. ove
slope.

63.00 Leave timber and undergrowth, bears N. and S.

75.40 Creek, 10 lks. wide, gravel bottom, course N., elevation 6020 f
ascend 30 ft. on bluff on W. side of creek.

76.80 Begin gradual ascent.

80.06 Darling's 55th Mi. Cor.; a basalt stone, 6x10x10 ins., loosely set
small mound of stone, mkd. NM on S., and 68 on W. face.
In place of stone
Construct a concrete monument, in a form 8x14x36 ins., set 24 i

Chains

THE DARLING LINE, 55TH MILE

in the ground, with tablet seated in the top marked Mile Corner No. 55, 1868-1925.

Land, rolling mountainous

Soil, sandy and stony; 3rd rate.

Timber, scrub cedar and pinon; undergrowth, oak brush.

THE DARLING LINE, 56TH MILE

RETRACEMENT

Altitude observation on the sun for azimuth, June 23, 1928.

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

79.94 N. 0.8 lks. to the parallel; thence the 56th Mi. Cor. bears S. 89.8 lks. dist.; on this determination the true line bears S. 89° 21′ W.

REESTABLISHMENT

Thence from the 55th Mi. Cor. S. 89° 21′ W., on a reestablishment of the 56th mile.

Ascend 50 ft. over gentle NE. slope, through scattering oak brush.

11.80 Small spur, slopes N.; descend 50 ft. over W. slope.

21.20 Arroyo, course N.; ascend gradual E. slope.

29.00 Top of low ridge, bears N. and S.; descend 70 ft. over W. slope.

35.23 The Carpenter 277th Mi. Cor. bears North, 12.05 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

37.40 Creek, 3 lks. wide, gravel bottom, course N.; ascend gentle E. slope; leave oak brush.

40.00 Construct a concrete monument, in a form 16x24x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 55 + 40 Chs., 1868-1925;

from which

A farm house, bears S. 4° 50′ W., 6.14 chs. dist.

40.52 Wagon road, bears N. 2¼° W. and S. 5¼° W.

55.00 Wagon road, mail route from Trinchera, Colo., bears N. 10° E. and S. 10° W.

Chains

THE DARLING LINE, 56TH MILE

79.94 Darling's 56th Mi. Cor.; a basalt stone, 8x6x4 ins., mkd. 56 M deposited under mound of stone.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 56, 1868-1925, and build a mound of stone around the monument;

from which

Saddle Rock, bears N. 86¼° E.

Point on mesa, bears S. 5½° W.

Land, rolling.

Soil, sandy and stony; 2nd and 3rd rate.

No timber.

THE DARLING LINE, 57TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.00 N. 0.8 lks. to the parallel; the 57th Mi. Cor. has become obliterated.

160.40 N. 3.0 lks. to the parallel; thence the 58th Mi. Cor. bears S. 89.1 lks. dist.; on this determination the true line bears S. 89° 41′ W.

REESTABLISHMENT

Thence from the 56th Mi. Cor. S. 89° 41′ W., on a reestablishment of the 57th mile.

Ascend gradual E. slope.

5.00 Top of spur, slopes NE.; begin gradual descent, through scattering oak brush.

27.50 Gulch, course N. 20° W.; ascend NE. slope.

31.90 Spur, slopes NE.; descend NW. slope.

35.09 The Carpenter 276th Mi. Cor. bears North, 11.82 chs. dist.; an iron post, firmly set in mound of stone; I remove this monument.

35.50 Head of small draw, course N. 70° E.; ascend NE. slope.

40.00 Begin gradual descent towards old dry lake bed; leave oak brush.

Chains

THE DARLING LINE, 57TH MILE

73.00 Bottom of lake bed; begin gradual ascent out of lake bed.

80.20 The proportional point; unable to identify the position of Darling's 57th Mi. Cor. This lake bed has been cultivated; I find the stone at the edge of the field lying loose on ground; a basalt, 13x9x8 ins., mkd. C., NM., 57 M and 68 on opposite faces.

Construct a concrete monument, in a form 8x14x36 ins., set 22 ins. in the ground, with tablet seated in the top marked Mile Corner No. 57, 1868-1925, and build a mound of stone around the monument;

from which

A conical mound, bears N. 80¾° E., about 40 chs. dist.
Point of mesa, bears S. 32° W.

Land, rolling.

Soil, sandy clay and stony; 3rd rate.

No timber.

THE DARLING LINE, 58TH MILE

REESTABLISHMENT

S. 89° 41° W., on a reestablishment of the 58th mile.

Ascend gradually out of old lake bed.

5.00 Begin gradual descent to Trinchera Creek, through scattering oak brush.

33.94 The Carpenter 275th Mi. Cor. bears North, 11.15 chs. dist.: an iron post, firmly set in mound of stone; I remove this monument.

45.60 Top of small rocky ridge, bears N. and S.

77.00 Rim rock, 15 ft high, bears N. and S.; descend abruptly 80 ft.

79.30 Trinchera Creek, 15 lks. wide, gravel bottom, course N., cottonwood trees along creek, elevation 5953 ft.; ascend W. bank of creek.

80.20 True point for Darling's 58th Mi. Cor., as identified by R. L. Survant, who owns the ranch at this place. The point was also accurately located from Carpenter's Astronomical Monument No. 6; the corner was destroyed (Carpenter 275th Mi.). The Carpenter Observing Station No. 6 bears South, 1.40 chs. dist. The position falls on unstable ground near the W. bank of Trinchera Creek. I did not reestablish this corner.

Chains

THE DARLING LINE, 58TH MILE

Land, rolling.
Soil, sandy and stony; 3rd rate.
Timber, cottonwood along creek; undergrowth, oak brush.

THE DARLING LINE, 59TH MILE

RETRACEMENT

Hour angle observation Polaris for azimuth, June 23, 1928.
West, on a retracement of the Darling boundary, on a transit line describing a tangent.

79.96 N. 0.8 lks. to the parallel; thence the 59th Mi. Cor. bears S. 1.019 chs. dist.; on this determination the true line bears S. 89° 16′ W.

REESTABLISHMENT

Thence from the true point for the 58th Mi. Cor. S. 89° 16′ W., on a reestablishment of the 59th mile.
Across valley.

1.08 Irrigation canal, course N. 20° W.

1.94 Telephone line, from Trinidad, Colorado, to Amarillo, Texas, bears N. 1¾° E. and S. 1¾° W.

2.50 Construct a concrete monument, in a form 16x24x36 ins., set 22 ins. in the ground, with tablet seated in the top marked Mile Corner No. 58 + 2.50 Chs., 1868-1925, and build a mound of stone and earth around the monument:
from which
East end of Trap Dyke bears N. 8¼° W., 2.78 chs. dist.
North end of wall E. of Trinchera Creek bears N. 61¼° E.

3.10 Mail route from Trinchera, Colo., bears N. and S.; ascend 150 ft. over brushy SE. slope; leave valley.

6.80 Irrigation canal, 20 lks. wide, course N. 42½° E.

14.80 Top of Trap Dyke, bears N. 78¼° E. and S. 75½° W., elevation 6110 ft.; thence along brushy N. slope.

21.16 The Carpenter Astronomical Monument No. 6 bears North, 10.84 chs. dist.; a sandstone, 12x12 ins. x 6 ft., firmly set in ground and mound of stone; I obliterate the marks and bury the stone.

Chains

THE DARLING LINE, 59TH MILE.

33.90 The Carpenter 274th Mi. Cor. bears North, 11.25 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

79.97 Darling's 59th Mi. Cor.; a basalt stone, 10x6x6 ins., loosely set in small mound of stone, mkd. C on N., NM on S., and 68 on W. face.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 22 ins. in the ground, with tablet seated in the top marked Mile Corner No. 59, 1868-1925, and build a mound of stone around the monument.

Land, rolling mountainous.

Soil, sandy clay and stony; 2nd and 4th rate.

No timber.

THE DARLING LINE, 60TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.08 N. 0.8 lks. to the parallel; thence the 60th Mi. Cor. bears S. 86 lks. dist.; on this determination the true line bears S. 89° 23′ W.

REESTABLISHMENT

Thence from the 59th Mi. Cor. S. 89° 23′ W., on a reestablishment of the 60th mile.

Along brushy N. slope.

5.50 Arroyo, course N. 60° E.; ascend SE. slope.

9.98 The closing corner of Tps. 32 N., Rs. 26 and 27 E., NM Prin. Mer., New Mexico, bears North, 5.5 lks. dist.; a basalt stone, 12x8x4 ins., loosely set in a small mound of stone, mkd. with six grooves on E., six grooves on W., and CC on S. face.

34.50 The Carpenter 273rd Mi. Cor. bears North, 13.20 chs. dist.; an iron post, firmly set in a mound of stone; I remove this monument.

Top of high spur, slopes N. 20° E., elevation 6320 ft.; begin gradual descent of W. slope.

Chains THE DARLING LINE, 60TH MILE

43.50 Draw, course N.; ascend gentle E. slope.

48.00 Wagon trail, bears NE. and S.; leave oak brush; begin gradua descent over NW. slope.

80.08 Darling's 60th Mi. Cor.; a basalt stone, 18x10x8 ins., on the ground mkd. C., NM., 60, and 68 on opposite faces.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 22 ins in the ground, with tablet seated in the top marked Mile Corne No. 60, 1868-1925.

Land, rolling mountainous.

Soil, sandy clay and stony; 3rd rate.

No timber.

C O L O R A D O

LAS ANIMAS COUNTY

9 10 11 12 7 8 9

16 15 14 13 18 17 16

60 S 89° 23' W 80.08 59 S 89° 16' W 79.97 58 S 89° 41' W 80.20 57 S 89° 41' W 80.20 56 S 89° 21' W 79.94 55 S 89° 32' W 80.06 54

24 19 20 21 22 23

T. 32 N., R. 26 E.
T. 32 N., R. 27 E.

T. 35 S., R. 60 W.
T. 35 S., R. 59 W.

To Trinidad

Dyke

Trap

Trinchera Creek

To Trinchera Pass

To Trinchera

+40.00

+2.50

6650

6625

6600

6575

6550

6525

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6475

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6375

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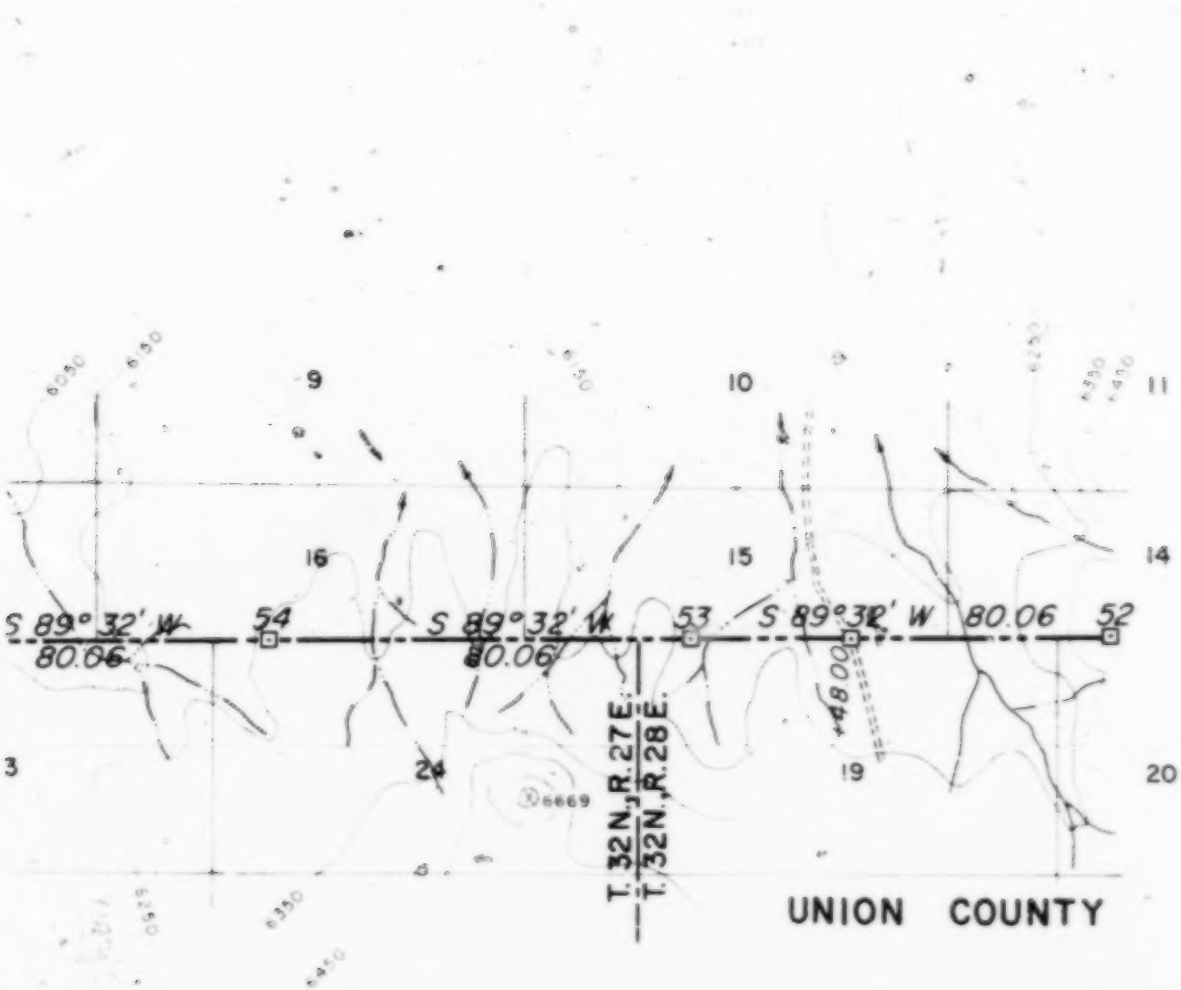
COLFAX COUNTY

N E W M E X I C O

SCALE.

40 Chains to the inch



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COLORADO AND NEW MEXICO BOUNDARY

This plat depicts the boundary line between the States of Colorado and New Mexico as reestablished by the late Arthur D Kidder, Boundary Commissioner, under the Decree [illegible] US 108 [illegible] of the Supreme Court of the United States, dated April 14, 1925

Joseph C. Thoma

Commissioner

COLORADO AND NEW MEXICO BOUNDARY

FIELD NOTES AND MAP OF SURVEY

MILE CORNER No. 61

to

MILE CORNER No. 66

Chains

THE DARLING LINE, 61ST MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.00 N. 0.8 lks. to the parallel; the 61st Mi. Cor. has become obliterated.

112.00 Altitude observation on the sun for azimuth, June 29, 1928.

160.32 N. 3.0 lks. to the parallel; thence the 62nd Mi. Cor. bears S. 1.599 chs. dist.; on this determination the true line bears S. 89° 26′ W.

REESTABLISHMENT

Thence from the 60th Mi. Cor. S. 89° 26′ W., on a reestablishment of the 61st mile.

Descend gradually over NW. slope.

20.00 Enter scattering oak brush.

29.10 Spring branch, course N. 10° W., turning to NE.; ascend gradual E. slope.

33.98 The Carpenter 272nd Mi. Cor. bears North, 15.01 chs. dist.; an iron post, firmly set in a mound of stone; I remove this monument.

38.80 Spur, slopes N. 30° E.; begin gradual descent of NW. slope.

49.80 Arroyo, water in holes, course NE.; begin ascent of SE. slope.

59.00 Small spur, slopes N.; thence along N. slope.

63.10 Road from R. L. Survant's ranch house to Trinchera, Colo., bears NE. and SW.

78.00 Construct a concrete monument, in a form 8x14x36 ins., set 22 ins. in the ground, with tablet seated in the top marked Mile Corner No. 60 + 78 Chs., 1868-1925, and build a mound of stone around the monument;

from which

R. L. Survant's ranch house bears S. 34° 56′ W., 22.74 chs. dist.

80.16 The proportional point; unable to identify Darling's 61st Mi. Cor. The point falls on unstable ground near bank of Blue Creek; I did not reestablish this corner.

Land, rolling.

Soil, sandy and stony; 2nd and 3rd rate.

No timber.

Chains

The Darling Line, 62nd Mile

REESTABLISHMENT

S. 89° 26′ W., on a reestablishment of the 62nd mile.
Across small valley.

3.00 Blue Creek, 10 lks. wide, gravel bottom, course NE.; elevation 6310 ft.

13.00 Leave valley; ascend SE. slope.

32.00 Top of spur, slopes NE.; begin gradual descent.

33.69 The Carpenter 271st Mi. Cor. bears North, 16.85 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

46.00 Head of arroyo, course NE.; begin ascent of 230 ft. over E. slope.

54.00 Small spur, slopes NE.

60.50 Head of drain, course NE.

78.20 Top of high knoll, divide between Blue Creek and Dry Creek, bears N. and S.; elevation 6650 ft.; begin gradual descent of W. slope.

80.16 Darling's 62nd Mi. Cor.; a basalt stone, 22x16x8 ins., mkd. 62 M; deposited under a mound of stone under an E. and W. fence.

In place of stone
Construct a concrete monument, in a form 8x14x36 ins., set 22 ins. in the ground, with tablet seated in the top marked Mile Corner No. 62, 1868-1925, and build a mound of stone around the monument.

Land, 13.00 chs. valley, balance mountainous.
Soil, sandy and stony; 2nd and 3rd rate.
No timber.

The Darling Line, 63rd Mile

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

5.41 N. 0.4 lks to the parallel; thence the Darling Astronomical Monument No. 2 bears S. 33.7 lks. dist.; on this determination the true line bears S. 89° 40′ W.

Chains THE DARLING LINE, 63RD MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

20.63 N. 0.1 lks. to the parallel; thence the 63rd Mi. Cor. bears S. 81° lks. dist.; on this determination the true line bears S. 87° 44′ W.

REESTABLISHMENT

Thence from the 62nd Mi. Cor. S. 89° 40′ W., on a reestablishment of the 63rd mile.

Descend abruptly 240 ft. on W. slope, through scattering oak brush

17.00 Base of abrupt descent, bears N. and S.; begin gradual descent in valley, through hay meadow.

19.90 Wagon road, bears N. and S.

32.70 Dry Creek, 5 lks. wide, course N. 20° E.; elevation 6370 ft.; cottonwoods along Creek; begin gradual ascent in valley; leave meadow.

33.70 The Carpenter 270th Mi. Cor. bears North, 18.48 chs. dist.; an iron post, firmly set; I remove this monument.

45.00 Arroyo, course NE.

47.00 Arroyo, course SE.

49.30 Arroyo, course N.

54.00 Base of abrupt ascent, of 240 ft., bears N. and SW.; leave valley enter oak brush.

58.91 Darling's Astronomical Monument No. 2; a charred cedar post 12x12 ins. x 9 ft., firmly set in ground and mound of stone; mark obliterated (Carpenter 270th Mi.).

In place of post

Construct a concrete monument, in a form 8x14x36 ins., set 30 ins in the ground, with tablet seated in the top marked Mile Corner No. 62 + 58.91 Chs., 1868-1925.

Thence S. 87° 44′ W., continuing on the reestablishment of the 63rd mile.

Continue ascent of steep, brushy E. slope.

16.00 Sharp spur, sloping S.; descend 80 ft. to corner, over brushy W slope.

THE DARLING LINE, 63RD MILE

20.64 Darling's 63rd Mi. Cor.; a basalt stone, 16x8x4 ins., loosely set in a small mound of stone, mkd. C on N., NM on S., 63 on E., and 68 on W. face.

In-place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 63, 1868-1925, and build a mound of stone around the monument.

Land, 37.00 chs. valley and 43.00 chs. mountainous.

Soil, sandy clay and stony; 2nd and 3rd rate.

Timber, cottonwood along Dry Creek; undergrowth, scattering oak brush.

THE DARLING LINE, 64TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

.00 N. 0.8 lks. to the parallel; the 64th Mi. Cor. has become obliterated.

.00 N. 3.0 lks. to the parallel; the 65th Mi. Cor. has become obliterated.

40.45 N. 6.8 lks. to the parallel; thence the 66th Mi. Cor. bears S. 40.7 lks dist.; altitude observation on the sun for azimuth, July 8, 1928; on this determination the true line bears S. 89° 54' W..

REESTABLISHMENT

Thence from the 63rd Mi. Cor. S. 89° 54' W., on a reestablishment of the 64th mile.

Descend W. slope, through oak brush.

.20 Head of draw, course N. 20° W., turning to N.; ascend brushy NE. slope.

.71 The Carpenter 269th Mi. Cor. bears North, 20.56 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the bearing tree.

Spur, slopes N.; descend W. slope.

Arroyo, course N. 15° E.; ascend over small spur.

Chains THE DARLING LINE, 64TH MILE

59.80 Small spur, slopes N. 15° E.; descend.

61.70 Arroyo, course N. 15° E.; ascend 50 ft.

65.50 Spur, slopes NE.; descend.

68.50 Arroyo, course N. 30° E.; ascend 80 ft.

75.00 Construct a concrete monument, in a form 8x14x36 ins., set 22 ins. in the ground, with tablet seated in the top marked Mile Corner No. 63 + 75 Chs., 1868-1925, and build a mound of stone around the monument;
from which
N. point of mesa bears N. 61¼° W.
Saddle Rock bears N. 88° E.

75.50 Top of sharp shale ridge, divide between Dry Creek and San Ysidro Creek, bears N. 34° E. and S. 18° W.; elevation 6730 ft.; descend steep, brushy W. slope 90 ft. to corner.

80.15 The proportional point; unable to identify Darling's 64th Mi. Cor.
Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 64, 1868-1925, and build a mound of stone around the monument;
from which
N. end of mesa bears N. 60½° W.
S. end of mesa bears N. 89° W.
Land, mountainous.
Soil, stony clay; 4th rate.
No timber.

THE DARLING LINE, 65TH MILE

REESTABLISHMENT

S. 89° 54' W., on a reestablishment of the 65th mile.
Descend abruptly 130 ft., through dense oak and service brush.

12.00 Base of abrupt descent, bears N. and S.; leave brush, begin gradual descent of 110 ft., through park.

19.00 Enter dense scrub timber, bears N. and S.

THE DARLING LINE, 65TH MILE

.40 Spring branch, 2 lks. wide, course N. 25° W.; ascend 100 ft. over steep NE. slope; enter undergrowth in timber.

.79 The Carpenter 268th Mi. Cor. bears North, 20.98 chs. dist.; an iron post, firmly set in a mound of stone; I remove this monument.

.50 Spur, slopes N.; descend NW. slope.

.00 Road, bears NE. and S. 82° W.

.90 San Ysidro Creek, 20 lks. wide, stony bottom, course E. turning to NE.; elevation 6440 ft.

.36 NW. corner of Maria's ranch house, bears S. 77 lks. dist.

.80 Leave San Ysidro Creek, course S. 70° E. turning to E.

.00 Trail, bears NW. and SE.; ascend over point of spur.

.40 Point of spur, slopes N.; descend NW. slope.

.50 Spring branch, 5 lks wide, course N. 20° E.

.40 San Ysidro Creek, 35 lks. wide, course N. 15° E.; across bottom N. of creek.

.00 San Ysidro Creek, 20 lks. wide, course S. 80° E.

.00 San Ysidro Creek, course NE.; ascend 20 ft. over W. bluff of creek; leave timber.

.00 Ascend gradually in valley.

.75 The proportional point; unable to identify Darling's 65th Mi. Cor. Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 65, 1868-1925, and build a mound of stone around the monument.

Land, mountainous.

Soil, stony clay; 2nd and 4th rate.

Timber, dense scrub cedar, pinon, pine and cottonwood; undergrowth, oak and service brush.

The Darling Line, 66th Mile

REESTABLISHMENT

S. 89 54' W., on a reestablishment of the 66th mile.
Ascend gradually in valley, through scattering oak brush.

0.50 Trail, bears NE. and S. 30 W.

7.65 A basalt stone, 16x10x8 ins. above ground, firmly set in ground and small mound of stone, mkd. ¼ on S. face, bears S. 3.74 chs. dist.
Abrupt ascent of 390 ft. over brushy E. slope with scattering scrub timber.

28.00 Top of abrupt ascent; begin gradual ascent on high bench.

33.98 The Carpenter 267th Mi. Cor. bears North, 21.34 chs. dist.; an iron post, firmly set in a mound of stone; I remove this monument and obliterate the marks on the bearing tree.

35.00 Leave timber, bears NE. and S.

51.50 Trail, bears NW. and SE.

55.00 Spur, slopes SE.; descend 20 ft.

57.00 Spring branch, 3 lks. wide, course SE.; thence continue ascent of bench.

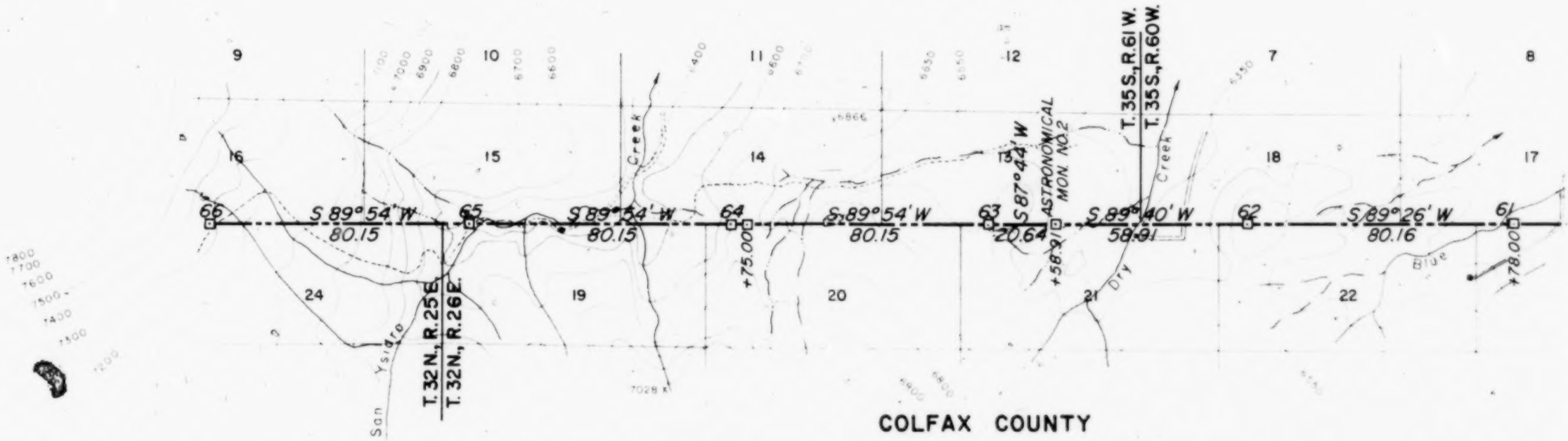
70.40 Spring branch, 2 lks. wide, course SE.

78.00 Trail, bears NE. and SW.

80.14 Darling's 66th Mi. Cor.; a basalt stone, 32x16x5 ins., firmly set in a mound of stone, under an E. and W. fence.
In place of stone
Construct a concrete monument, in a form 8x14x36 ins., set 22 ins. in the ground, with tablet seated in the top marked Mile Corner No. 66, 1868-1925, and build a mound of stone around the monument.
Land, mountainous.
Soil, stony clay; 3rd and 4th rate.
Timber, scattering scrub cedar and pinon; undergrowth, oak and service brush.

C O L O R A D O

LAS ANIMAS COUNTY

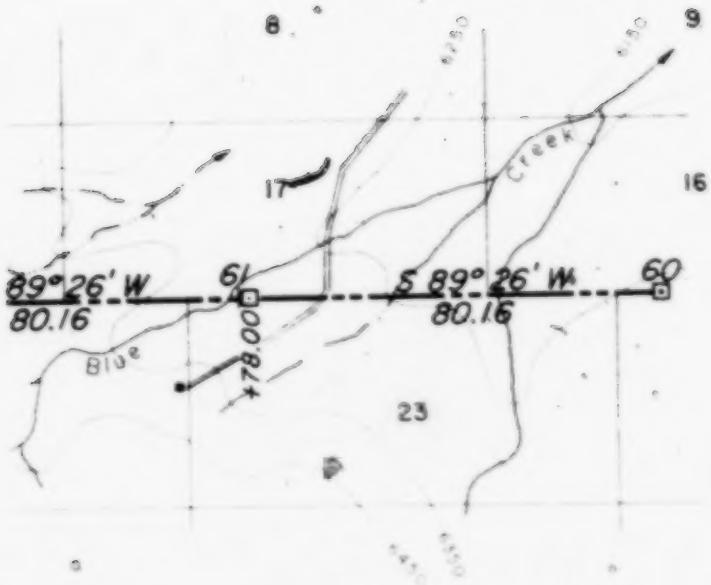


COLFAX COUNTY

N E W M E X I C O

SCALE

40 Chains to the inch



COLORADO AND NEW MEXICO BOUNDARY

This plat depicts the boundary line between the States of Colorado and New Mexico as reestablished by the late Arthur D Kidder, Boundary Commissioner, under the Decree (268 U.S. 108) of the Supreme Court of the United States, dated April 16, 1925

Joseph C. Thoma

Commissioner

COLORADO AND NEW MEXICO BOUNDARY

FIELD NOTES AND MAP OF SURVEY

MILE CORNER No. 67

to

MILE CORNER No. 77

Chains THE DARLING LINE, 67TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.00 N. 0.8 lks. to the parallel; the 67th Mi. Cor. has become obliterated; altitude observation on the sun for azimuth, July 10, 1928.

160.00 The 68th Mi. Cor. was not established by Darling; point falls on steep E. slope, near foot of cliff; continue distance.

192.11 N. 4.3 lks. to the parallel; the 68 + 32.60 Mi. Cor. has become obliterated.

240.00 N. 6.8 lks. to the parallel; the 69th Mi. Cor. has become obliterated.

320.00 N. 12.2 lks. to the parallel; the 70th Mi. Cor. has become obliterated.

400.00 N. 19.0 lks. to the parallel; the 71st Mi. Cor. has become obliterated.

465.00 Altitude observation on the sun for azimuth, July 15, 1928.

476.70 N. 27.4 lks. to the parallel; thence the 72nd Mi. Cor. bears S. 6.63 chs. dist.; on this determination the true line bears S. 89° 12′ W.

REESTABLISHMENT

Thence from the 66th Mi. Cor. S. 89° 12′ W., on a reestablishment of the 67th mile.

Ascend 830 ft. over steep SE. slope, through oak and service brush.

39.11 The Carpenter 266th Mi. Cor. bears North, 22.10 chs. dist.; an iron post, firmly set in a mound of stone; I remove this monument and obliterate the marks on the three bearing trees.

61.00 Top of high spur, sloping SW., elevation 8130 ft.

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 66 + 61 Chs., 1868-1925, and build a mound of stone around the monument;

from which

A spruce, 6 ins. diam., bears N. 21° W., 95 lks dist., mkd. WP COLO BT.

A spruce, 8 ins. diam., bears S. 43¼° W., 1.15 chs. dist., mkd. WP NM BT.

Enter dense spruce and pine timber; thence along broken S. slope.

Chains

THE DARLING LINE, 67TH MILE

79.40 The proportional point; unable to identify Darling's 67th Mi. Cor. Point falls among numerous large boulders, below high basalt rim rock; I did not reestablish this corner.

Land, mountainous.

Soil, stony loam; 4th rate.

Timber, dense spruce and pine; undergrowth, dense oak and service brush.

THE DARLING LINE, 68TH MILE

REESTABLISHMENT

S. 89° 12′ W., on a reestablishment of the 68th mile.

Ascend gradually along S. slope, through dense timber and undergrowth, in field of large boulders.

5.80 Begin ascent of SE. slope.

11.10 Top of high spur, sloping S.; elevation 8320 ft.; begin descent of SW. slope into Bear Creek Canon.

22.00 Leave dense timber, enter scattering timber in dense undergrowth; leave boulder field.

35.58 The Carpenter 265.05 Mi. Cor. bears North, 23.90 chs. dist.; an iron post, firmly set in a mound of stone; I remove this monument.

53.00 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 67 + 53 Chs., 1868-1925, and build a mound of stone around the monument;

from which

An oak, 8 ins. diam., bears N. 26¼° W., 25 lks. dist., mkd. WP COLO BT.

An oak, 5 ins. diam., bears S. 41½° E., 33.5 lks. dist., mkd. WP NM BT.

Corner stands in clearing for trail bearing N. 20° W. and S. 20° E.

58.50 Spring branch, 4 lks. wide, course SW.

68.70 Bear Creek, 18 lks. wide, stony bottom, course S. 15° E., elevation 7700 ft.; ascend 810 ft. over steep E. slope.

Chains

THE DARLING LINE, 68TH MILE

79.46 The proportional point; the 68th Mi. Cor. was not established by Darling; point falls on very steep E. slope; I did not establish this corner.

Land, mountainous.

Soil, stony clay and loam, 3rd and 4th rate.

Timber, dense spruce, pine and aspen; undergrowth, dense oak and service brush and willows.

THE DARLING LINE, 69TH MILE

REESTABLISHMENT

S. 89° 12′ W., on a reestablishment of the 69th mile.

Ascend steep E. slope, through dense timber and undergrowth.

31.80 Rim rock, 100 ft. high, bears N. 30° W. and S. 30° E.; leave timber and undergrowth at base of cliff, scattering oak brush at top.

33.00 Top of steep ascent, begin gradual ascent on Barilla Mesa.

34.00 Construct a concrete monument, in a form 8x14x36 ins., set 18 ins. in the ground, with tablet seated in the top marked Mile Corner No. 68 + 34 Chs., 1868-1925, and build a mound of stone around the monument;

from which

Point of mesa bears N. 85° 56′ E.

Point of mesa bears N. 51° 50′ W.

Conical mound bears S. 12¼° E.

43.50 Divide between the Las Animas and Canadian Rivers, bears NW. and SE., elevation 8530 ft.; begin gradual descent of SW. slope.

54.00 Head of draw, course S. turning to SW.; begin gradual ascent.

57.60 Small reservoir, bears N. 3.50 chs. dist.

63.00 Farm house, bears N. 3.80 chs. dist.

63.60 Enter cultivated field, bears N. and S.

73.00 Begin gradual descent.

79.46 The proportional point; 69th Mi. Cor. destroyed (Carpenter 264th Mi.).

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins.

THE DARLING LINE, 69TH MILE

in the ground, with tablet seated in the top marked Mile Corner No. 69, 1868-1925, and build a mound of stone around the monument.

Land, 33.00 chs. mountainous, 47.00 chs. nearly level mesa.

Soil, sandy loam and stony; 2nd and 3rd rate.

Timber, dense spruce, pine and aspen; undergrowth, oak and service brush.

THE DARLING LINE, 70TH MILE

REESTABLISHMENT

S. 89° 12′ W., on a reestablishment of the 70th mile.

Descend gradually in cultivated field.

8.10 Leave field, bears N. and S.

8.95 Lane, bears N. and S.

41.10 The Carpenter 263rd Mi. Cor. bears North, 26.53 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

42.43 Center of N. and S. lane.

42.80 Drain, course S. 5° W.; begin gradual ascent.

49.10 Wagon road, bears NW. and SE.

79.46 The proportional point; 70th Mi. Cor. destroyed (Carpenter 264th Mi.).

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 70, 1868-1925, and build a mound of stone around the monument;

from which

A farm house bears S. 10° 47′ E., 26.00 chs. dist.

A farm house bears S. 52° 43′ E., 56.80 chs. dist.

Land, high mesa, slightly rolling, elevation averaging around 8,500 ft.

Soil, sandy loam and stony; 2nd rate.

No timber.

Chains

THE DARLING LINE, 71ST MILE

REESTABLISHMENT

S. 89° 12' W., on a reestablishment of the 71st mile.
Ascend gradually.

2.30 Enter cultivated field, bears N. and S.

8.12 The closing cor. of secs. 19 and 20, T. 32 N., R. 25 E., N. M. Prin. Mer., New Mexico, bears S. 1.92 chs. dist.; a basalt stone, 16x7x6 ins. above ground, firmly set, mkd. NM on S., CC on N., 4 grooves on E. and 2 grooves on W. face.

15.00 Begin gradual descent.

19.90 Leave cultivated field, bears N. and S.

27.10 Head of draw, course S. 20° E.; begin gradual ascent.

41.79 The Carpenter 262nd Mi. Cor. bears North, 27.83 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

43.00 Center of lane, bears N. and S.; ascend abrupt SE. slope.

60.00 Top of rocky point, elevation 8640 ft.; begin gradual descent.

69.00 Begin ascent of E. slope.

79.46 The proportional point; unable to identify Darling's 71st Mi. Cor.
Construct a concrete monument, in a form 8x14x36 ins., set in concrete base, 16 ins. in ground on bedrock, with tablet seated in the top marked Mile Corner No. 71, 1868-1925, and build a mound of stone around the monument;
from which
Chester Wood's farm house bears S. 69¾° E., about 20.00 chs. dist.
Land, high rolling mesa.
Soil, sandy loam and stony; 2nd and 3rd rate.
No timber.

THE DARLING LINE, 72ND MILE

REESTABLISHMENT

S. 89° 12' W., on a reestablishment of the 72nd mile.
Ascend gradually over E. slope, through scattering oak brush.

Chains

THE DARLING LINE, 72ND MILE

10.00 Thence across nearly level mesa, which drains NW. to Sugarite Canon.

26.48 The Carpenter 261.2 Mi. Cor. bears North, 29.01 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

44.70 Head of drain, course N. 20° W.; begin gradual ascent.

70.00 Top of ascent, elevation 8710 ft.; begin gradual descent.

79.46 Darling's 72nd Mi. Cor.: a basalt stone, 24x12x10 ins., firmly set in a large mound of stone, mkd. C on N., NM on S., 72 M on E. and 08 on W. face; a basalt stone, 10x6x3 ins., mkd. 72 M, deposited under the mound of stone.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set in concrete base, 16 ins. in ground on bedrock, with tablet seated in the top marked Mile Corner No. 72, 1868-1925, and build a mound of stone around the monument;

from which

A spruce, 6 ins. diam., bears N. 14½° W., 96 lks. dist., mkd. COLO 72 M BT.

Land, high, rolling mesa.

Soil, sandy loam and stony; 2nd and 3rd rate.

No timber.

THE DARLING LINE, 73RD MILE

RETRACEMENT

Altitude observation on the sun for azimuth, July 17, 1928.

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

76.96 N. 0.8 lks. to the parallel; thence the 73rd Mi. Cor. bears S. 66.7 lks. dist.; on this determination the true line bears S. 89° 30' W.

REESTABLISHMENT

Thence from the 72nd Mi. Cor. S. 89° 30' W., on a reestablishment of the 73rd mile.

Chains

THE DARLING LINE, 73RD MILE

Descend gradually on mesa, through scattering oak brush.

0.70 Rim rock, 100 ft. high, bears SW. and N. 25° E., turning to NE.; descend 1100 ft. over steep W. slope to corner; enter dense timber and underbrush at base of rim rock.

27.95 The Carpenter 260.2 Mi. Cor. bears North, 30.42 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

76.96 Darling's 73rd Mi. Cor.; a sandstone, 18x10x4 ins., loosely set in a small mound of stone, mkd. C on N., NM on S., 73 M on E., and 68 on W. face.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 18 ins. in the ground, with tablet seated in the top marked Mile Corner No. 73, 1868-1925, and build a mound of stone around the monument;

from which

A pine, 5 ins. diam., bears N. 10¼° E., 29.5 lks. dist., mkd. COLO 73 M BT.

A pine, 6 ins. diam., bears S. 10° W., 1.01 chs. dist., mkd. NM 73 M BT.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, dense spruce, aspen and pine; undergrowth, oak and service brush.

THE DARLING LINE, 74TH MILE

RETRACEMENT

Altitude observation on the sun for azimuth, July 20, 1928.

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.00 N. 0.8 lks. to the parallel; the 74th Mi. Cor. was not established by Darling.

160.00 N. 3.0 lks. to the parallel; the 75th Mi. Cor. was not established by Darling.

Chains

THE DARLING LINE, 74TH MILE

222.05 N. 6.0 lks. to the parallel; the 75 + 62.05 Mi. Cor. has become obliterated.

240.00 N. 6.8 lks. to the parallel; the 76th Mi. Cor. has become obliterated.

325.60 N. 12.2 lks. to the parallel; thence the 77th Mi. Cor. bears N. 1.895 chs. dist.; on this determination the true line bears N. 89° 40' W.

REESTABLISHMENT

Thence from the 73rd Mi. Cor. N. 89° 40' W., on a reestablishment of the 74th mile.

Descend 110 ft. over W. slope, through scattering timber and undergrowth.

2.02 A sandstone, 24x16x3 ins., loosely set in a small mound of stone, mkd. CC on S., 4 grooves on W., and 2 grooves on E. face, bears S., 6 lks. dist.

3.00 Construct a concrete monument, in a form 16x24x36 ins., set 20 ins. in the ground, with tablet seated in the top marked Mile Corner No. 73 + 3 Chs., 1868-1925, and build a mound of stone around the monument:

from which

A pine, 8 ins. diam., bears N. 48¾° E., 1.815 chs. dist., mkd. WP COLO BT.

A pine, 24 ins. diam., bears S. 18¾° E., 2.32 chs. dist., mkd. WP NM BT.

3.90 Wagon road, bears N. and S.; leave timber and undergrowth.

4.20 Enter hay meadow.

9.90 Sugarite (Chicorica) Creek, sand and gravel bottom, 15 lks. wide, course S. 20° W., elevation 7510 ft.; leave hay meadow, enter scattering timber and dense undergrowth; ascend 250 ft. over steep E. slope.

11.50 Channel for fish weir.

27.70 Spur, slopes S.; descend 230 ft. over brushy SW. slope.

40.80 Spring branch, course SE.; ascend 250 ft. over NE. slope, through dense timber and underbrush.

45.98 The Carpenter 259th Mi. Cor bears North, 32.11 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this

Chains THE DARLING LINE, 74TH MILE

monument and obliterate the marks on the four bearing trees.

70.40 Spur, slopes SE.; thence along S. slope.

76.20 Spur, slopes S.; descend W. slope.

81.40 The proportional point; the 74th Mi. Cor. was not established by Darling.

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 74, 1868-1925, and build a mound of stone around the monument;

from which

A yellow pine, 24 ins. diam., bears N. 17½° E., 19 lks. dist., mkd. COLO 74 M BT.

A white pine, 7 ins. diam., bears S. 51½° E., 98 lks. dist., mkd. NM 74 M BT.

Land, mountainous.

Soil, clay and loam, stony; 2nd and 3rd rate.

Timber, yellow and white pine; undergrowth, dense oak and service brush.

THE DARLING LINE, 75TH MILE

REESTABLISHMENT

N. 89° 40′ W., on a reestablishment of the 75th mile.

Descend W. slope 150 ft., through dense timber and undergrowth.

10.50 Spring branch, course S. 30° E.; ascend 360 ft. over NE. slope.

31.00 The Carpenter 258.15 Mi. Cor. bears North, 30.73 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

38.70 Spur, slopes S. 80° E.; thence along very broken S. slope.

45.60 Gulch, course S.

57.40 Spur, slopes S.

66.00 Gulch, course S. 30° W.

69.30 Spur, slopes S.

73.30 Gulch, course SE.

The Darling Line, 75th Mile

78.70 A sandstone outcrop, 7 ft. sq., surface exposed level with ground, elevation 8125 ft.

Seat a tablet in the outcrop, marked Mile Corner No. 74 + 78.70 Chs., 1868-1925;

from which

A white pine, 7 ins. diam., bears N. 41¼° E., 82 lks. dist., mkd. WP COLO BT.

A white pine, 5 ins. diam., bears S. 54½° E., 80 lks. dist., mkd. WP NM BT.

Build a mound of stone 5 ft. base, 3 ft. high, E. of the tablet.

81.40 The proportional point; the 75th Mi. Cor. was not established by Darling. Point falls near foot of sandstone cliff; I did not establish this corner.

Land, mountainous.

Soil, sandy loam and stony; 3rd and 4th rate.

Timber, dense yellow and white pine; undergrowth, oak and service brush.

The Darling Line, 76th Mile

REESTABLISHMENT

N. 89° 40′ W., on a reestablishment of the 76th mile.

Descending along steep S. slope, through dense timber and undergrowth.

85.00 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 75 + 25 Chs., 1868-1925, and build a mound of stone around the monument;

from which

A white pine, 16 ins. diam., bears N. 47½° W., 84 lks. dist., mkd. WP COLO BT.

A white pine, 6 ins. diam., bears S. 11¾° W., 55 lks. dist., mkd. WP NM BT.

Corner stands near a trail bearing NW. and SE.

87.50 West Fork of Sugarite (Chicorica) Creek, 3 lks. wide, gravel bottom, course SE. turning to S. 70° E.; elevation 7890 ft.; ascend 430 ft. over steep E. slope.

Chains

THE DARLING LINE, 76TH MILE

41.46 The Carpenter 257th Mi. Cor. bears North, 30.68 chs. dist.; an iron post firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

48.70 Spur, slopes SE.; descend SW. slope.

56.00 Trail in head of small canon, bears NW. and SE., course of canon SE.; ascend NE. slope.

65.40 Thence along N. slope; leave timber, bearing N. and SE.

73.00 Head of small canon, course N.; ascend E. slope; spring bears N. about 3.00 chs. dist.

81.40 The proportional point; unable to identify Darling's 76th Mi. Cor. Construct a concrete monument, in a form 8x14x36 ins., set 22 ins. in the ground, with tablet seated in the top marked Mile Corner No. 76, 1868-1925, and build a mound of stone around the monument.

Land, mountainous.

Soil, sandy loam and stony; 3rd and 4th rate.

Timber, dense spruce, yellow and white pine; undergrowth, dense oak and service brush.

THE DARLING LINE, 77TH MILE

REESTABLISHMENT

N. 89° 40' W., on a reestablishment of the 77th mile.

Ascend 110 ft. over steep E. slope, through dense oak brush.

5.00 Top of abrupt ascent, bears N. and S. 30° E.; begin gradual ascent on Bartlett Mesa; leave oak brush.

6.57 A basalt stone, 16x8x4 ins. above ground, mkd. CC on S., 5 grooves on E., and 1 groove on W. face, bears S., 33 lks. dist.

7.54 The Carpenter 256.17 Mi. Cor. bears North, 30.67 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

48.70 A basalt stone, 16x10x6 ins. above ground, mkd. CC on S., 6 grooves on E., and 6 grooves on W. face, bears S., 11 lks. dist.

70.70 Divide between the Las Animas and Canadian Rivers, bears N. and S. 40° E.; elevation 8700 ft.; begin gradual descent.

THE DARLING LINE, 77TH MILE

Darling's 77th Mi. Cor., a basalt stone, 30x10x10 ins., firmly set in a mound of stone, mkd. C on N., NM on S., 77 M on E., and 68 on W. face; a basalt stone, 10x8x4 ins., mkd. 77 M, deposited under the mound of stone.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 8 ins. in ground on bedrock, with tablet seated in the top marked Mile Corner No. 77, 1868-1925, and build a mound of stone, 6 ft. diam. at base x 3 ft. diam. at top, 2 ft. high, around the monument;

from which

A U. S. Geological Survey Triangulation Station, elevation 8868 ft., bears S. 61° 28' E., 22.00 chs. dist.; the name of this station is Raton Mesa, the station mark is a large mound of stone (Bulletin 551, p. 77); its geographic position, on the North American datum, is:

Latitude	36° 59' 30.32"
Longitude	104° 26' 03.32"

Land, high rolling mesa.

Soil, sandy loam and stony: 3rd rate.

No timber.

C O L O R A D O

LAS ANIMAS COUNTY

BEAUBIEN & MIRANDA (or MAXWELL) LAND GRANT

Barilla Mesa or Ce

To San Francisco Pass

Fort Reserve

77 S 89° 40' W 81.40 76 S 89° 40' W 81.40 75 S 89° 40' W 81.40 74 S 89° 40' W 81.40 73 S 89° 30' W 76.96 72 S 89° 12' W 79.46 71 S 89° 79

+25.00 +18.70 +3.00

RATON MESA USC & GS

Bartlett Mesa or Southwest Point of Raton Mesa

Sugarite Creek

Lower Raton Reservoir

To Sugarite

16 15 48 23 24 47

T. 32 N., R. 24 E.

T. 32 N., R. 24 E.

BEAUBIEN & MIRANDA (or MAXWELL) LAND GRANT

COLFAX COUNTY

N E W M E X I C

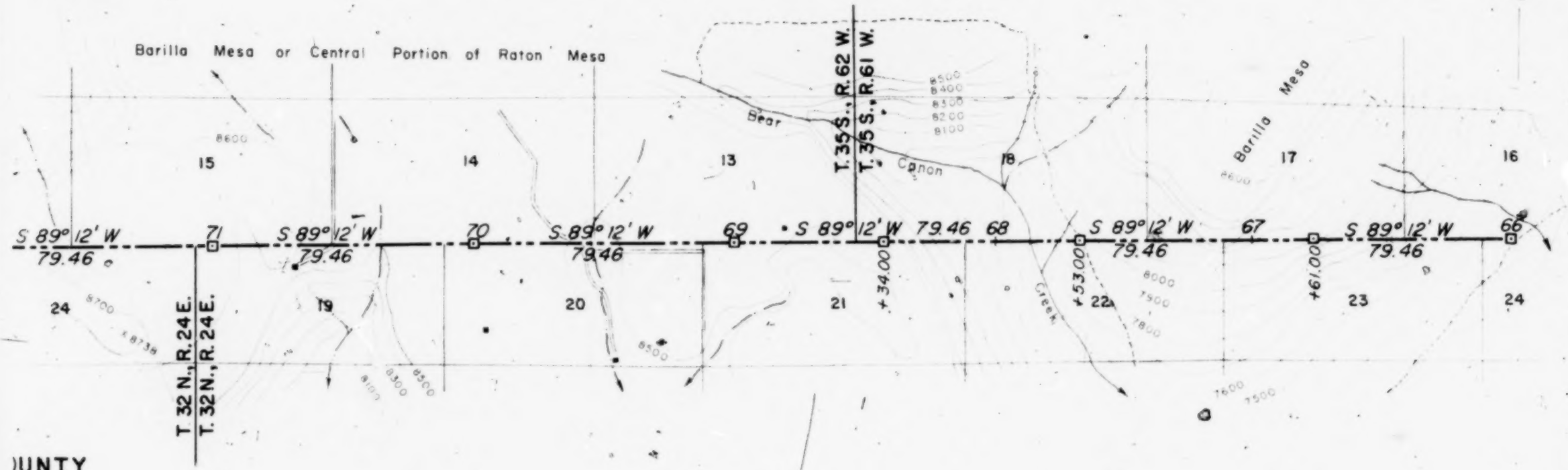
SCALE

0 10 20 30 40 50

40 Chains to the inch

R A D O

COUNTY



)UNTY

E X I C O

SCALE

30 40 80

0 Chains to the inch

COLORADO AND NEW MEXICO BOUNDARY

This plat depicts the boundary line between the States of Colorado and New Mexico as reestablished by the late Arthur D Kidder, Boundary Commissioner, under the Decree (268 U.S. 108) of the Supreme Court of the United States, dated April 13, 1925

Joseph C. Thoma

Commissioner

COLORADO AND NEW MEXICO BOUNDARY

FIELD NOTES AND MAP OF SURVEY

MILE CORNER No. 78

to

MILE CORNER No. 86

THE DARLING LINE, 78TH MILE

RETRACEMENT

Chains

West, on a retracement of the Darling boundary, on a transit li describing a tangent.

80.18 N. 0.8 lks. to the parallel; thence the 78th Mi. Cor. bears S. 5.3 l dist.; on this determination the true line bears S. 89° 58′ W.

REESTABLISHMENT

Thence from the 77th Mi. Cor. S. 89° 58′ W., on a reestablishme of the 78th mile.

Ascend gradually, through scattering oak brush.

5.00 Begin gradual descent; leave oak brush.

19.18 The Carpenter 255th Mi. Cor. bears North, 30.57 chs. dist.; an iro post, firmly set in ground and mound of stone; I remove th monument.

46.50 Enter basin.

50.50 E. edge of pond.

55.50 Leave pond; begin gradual ascent.

58.50 Leave basin.

61.50 Begin gradual descent.

80.18 Darling's 78th Mi. Cor.; a basalt stone, 16x10x5 ins., lying on mound of stone, :nkd. C, NM, 78 M and 68 on opposite faces.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 22 ins in the ground, with tablet seated in the top marked Mile Corne No. 78, 1868-1925, and build a mound of stone around the mon ment.

Land, high rolling mesa.

Soil, sandy loam and stony; 3rd rate.

No timber.

THE DARLING LINE, 79TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

79.71 N. 0.8 lks. to the parallel; thence the 79th Mi. Cor. bears N. 23 lks dist.; on this determination the true line bears N. 89° 50′ W.

THE DARLING LINE, 79TH MILE

REESTABLISHMENT

Thence from the 78th Mi. Cor. N. 89° 50' W., on a reestablishment of the 79th mile.

Across nearly level mesa.

15.00 Begin gradual descent.

45.38 The Carpenter 254th Mi. Cor. bears North, 30.45 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

72.00 Rim of mesa, bears N. and S.; abrupt descent of 200 ft. to corner; enter oak brush.

79.71 Darling's 79th Mi. Cor.; a basalt stone, 20x10x4 ins., firmly set in a mound of stone, mkd. C on N., NM on S., 79 M on E., and 68 on W. face.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 12 ins. in the ground, with tablet seated in the top marked Mile Corner No. 79, 1868-1925, and build a mound of stone around the monument.

Land, 72.00 chs. nearly level mesa, 8.00 chs. steep W. slope.

Soil, sandy loam and stony; 3rd and 4th rate.

No timber.

THE DARLING LINE, 80TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

.00 Hour Angle observation of Polaris for azimuth, August 3, 1928.

1.34 N. 0.3 lks. to the parallel; the astronomical monument has become obliterated.

.00 N. 0.8 lks. to the parallel; the 80th Mi. Cor. has become obliterated.

.24 Altitude observation on the sun for azimuth, August 3, 1928.

.00 N. 3.0 lks. to the parallel; the 81st Mi. Cor. has become obliterated.

.57 N. 6.8 lks. to the parallel; thence the 82nd Mi. Cor. bears N. 47.4 lks. dist.; on this determination the true line bears N. 89° 53' W.

THE DARLING LINE, 80TH MILE

Chains *REESTABLISHMENT*

Thence from the 79th Mi. Cor. N. 89° 53' W., on a reestablishment of the 80th mile.

Descend 580 ft. over steep W. slope, through dense oak brush.

5.23 The Carpenter 253rd Mi. Cor. bears North, 31.02 chs. dist.; an iron post, firmly set in a mound of stone; I remove this monument and obliterate the marks on the bearing tree.

30.20 Gulch, course N. 15° W.; ascend 80 ft. over E. slope.

36.00 Spur, slopes NW.

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Cor. No. 79 + 36 Chs., 1868-1925, and build a mound of stone around the monument;

from which

SW. corner of a farm house, bears S. 70° 26' E., 8.68 chs. dist.

Descend SW. slope.

39.06 A sandstone, 30x12x6 ins., loosely set in a small mound of stone mkd. C on N., NM on S., ½ M on E., and 1888 on W. face, bears N. 7° lks. dist.

47.50 Arroyo, course NW.; ascend NE. slope.

50.33 Telephone line, bears N. 12° E. and S. 12° W.

50.55 Telegraph line, bears N. 12° E. and S. 12° W.; descend W. slope.

51.19 East edge of railroad cut, bears N. 12° E. and S. 12° W.

51.34 Darling Astronomical Monument No. 3 has been destroyed by the railroad cut.

51.77 East bound track of the A.T. & S.F. R.R., bears N. 12¾° E. (in a curve) and S. 13° 03' W., 2.20 chs. dist. to tunnel.

52.22 West bound track of the A.T. & S.F. R.R., bears N. 15½° E. (in a curve) and S. 18° 37' W., 2.10 chs. to tunnel.

52.36 A.T. & S.F. R.R. Company state line monument bears N. 23.5 lks. dist.; a concrete shaft, 12x12 ins. x 9 ft., set in a concrete base 48x48 ins.; elevation 7576 ft.

Ascend 270 ft. over steep E. slope.

53.22 West edge of railroad cut, bears N. and S.

THE DARLING LINE, 80TH MILE.

Telephone line, bears N. 2° E. and S. 2° W.

Spur ridge, bears N. and S.

Construct a concrete monument, in a form, 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 79 + 65 Chs., 1868-1925, and build a mound of stone around the monument:

from which

A pine, 4 ins. diam., bears N. 68° W., 2.60 chs. dist., mkd. WP COLO BT.

A pine, 5 ins. diam., bears S. 16° W., 1.99 chs. dist., mkd. WP NM BT.

Descend W. slope.

Enter scattering scrub timber, bears N. and S.

The Carpenter 252.2 Mi. Cor. bears North, 31.02 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument; the two bearing trees have disappeared.

State highway from Raton, N. M., to Trinidad, Colo., bears NE. and W., curving around head of small gulch, course NW.; ascend NE. slope.

Telephone line, bears N. 9° E. and S. 9° W.

Leave highway, bearing NW. and E.

The proportional point: 80th Mi. Cor. destroyed (Carpenter 253rd Mi.).

Construct a concrete monument, in a form 10x24x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 80, 1868-1925, and build a mound of stone around the monument:

from which

A pine, 6 ins. diam., bears N. 74° W., 3.26 chs. dist., mkd. COLO 80 M BT.

A pine, 6 ins. diam., bears S. 11° E., 1.26 chs. dist., mkd. NM 80 M BT.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, scattering scrub pine, undergrowth, oak and service brush.

THE DARLING LINE, 81ST MILE

Chains

REESTABLISHMENT

N. 89° 53' W., on a reestablishment of the 81st mile.
Ascend gradual NE. slope, through scattering scrub timber and undergrowth.

1.25 Wagon road, bears NW. and SE.

1.30 Divide between the Las Animas and Canadian Rivers, bears NW. and SE., elevation 7790 ft.; thence along broken S. slope.

4.50 Head of small canon, course S. 10° E.

9.00 Spur, slopes S.

18.20 Wagon road, bears N. 15° E. and S. 15° W. in bottom of small canon, course S. 15° W.

25.30 Spur, slopes S.

32.70 Head of drain, course S., turning to SE.

46.00 Construct a concrete monument, in a form 16x24x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 80 + 46 Chs., 1868-1925, and build a mound of stone and earth around the monument;
from which
A pine, 9 ins. diam., bears N. 60½° E., 1.92 chs. dist., mkd. WP COLO BT.
A pine, 5 ins. diam., bears S. 34½° E., 38 lks. dist., mkd. WP NM BT.
Elevation of monument 7828.32 ft.
A U.S.G.S. Bench Mark, elevation 7889.39 ft., bears S. 15° 16' W., 21.82 chs. dist.

47.34 State highway from Raton, N. M., to Trinidad, Colo., on divide between the Las Animas and Canadian Rivers, bears N. 47° E. and S. 13° W.; thence along N. slope; divide bears SW.

47.88 A granite stone, 25x11x6 ins. above ground, Santa Fe Trail Marker, bears N. 8 lks. dist.

51.35 The Carpenter 251.42 Mi. Cor. bears North, 31.10 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

52.60 Head of canon, course N. 15° E.

Chains

THE DARLING LINE, 81ST MILE

58.00 Construct a concrete monument, in a form 8x14x36 ins., set 22 ins. in the ground, with tablet seated in the top marked Mile Corner No. 80 + 58 Chs., 1868-1925, and build a mound of stone around the monument;

from which

A pine, 6 ins. diam., bears N. 47° W., 1.23 chs. dist., mkd. WP COLO BT.

A pine, 5 ins. diam., bears S. 83° W., 1.33 chs. dist., mkd. WP NM BT

58.30 Divide between the Las Animas and Canadian Rivers, bears N. 35° W. and S. 20° E., elevation 7870; begin gradual descent.

72.00 Abrupt descent of 130 ft. to corner.

79.19 The proportional point; 81st Mi. Cor. destroyed (Carpenter 253rd Mi.)

Construct a concrete monument, in a form 8x14x36 ins., set in concrete base 22 ins. in ground on bedrock, with tablet seated in the top marked Mile Corner No. 81, 1868-1925, and build a mound of stone around the monument;

from which

A pine, 18 ins. diam., bears N. 55¼° W., 1.77 chs. dist., mkd. COLO 81 M BT.

A pine, 5 ins. diam., bears S. 57½° W.; 59 lks dist., mkd. NM 81 M BT.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, scattering, scrub pine and pinon; undergrowth, oak and service brush.

THE DARLING LINE, 82ND MILE

REESTABLISHMENT

N. 89° 53′ W., on a reestablishment of the 82nd mile.

Descend steep W. slope, through scattering timber and dense oak brush.

1.60 Small canon, course S.; ascend 110 ft. over brushy E. slope.

2.60 Spur, slopes S. 15° E.; descend SW. slope.

Chains THE DARLING LINE, 82ND MILE

12.90 Gulch, course SE.; ascend 140 ft. over steep E. slope.

19.90 Ridge, bears N. and S.; begin descent of 300 ft. over W. slope.

36.00 Spring branch, 2 lks. wide, in canon, course S. 10° E.; ascend 290 f over steep E. slope.

41.18 The Carpenter 250.55 Mi. Cor. bears North, 31.31 chs. dist.; a iron post, firmly set in ground and mound of stone; I remove 'h monument and obliterate the marks on the four bearing trees.

54.70 Ridge, bears N. and S., begin gradual descent.

57.70 Abrupt descent of 140 ft. over SW. slope.

66.20 Gulch, course SW.; ascend gentle SE. slope.

67.80 Spur, slopes S. 60° W.; descend 90 ft. over W. slope.

72.20 Arroyo in canon, course S. 15° E.; ascend 160 ft. to corner.

79.19 Darling's 82nd Mi. Cor.; a sandstone, 22x8x4 ins., loosely set in small mound of stone, mkd. C on N., NM on S., 82 M on E., an 1868 on W. face;

from vhich

A yellow pine stump, bears N. 6¾° E., 89 lks. dist., mkd. BT.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins in the ground, with tablet seated in the top marked Mile Corne No. 82, 1868-1925, and build a mound of stone around the monu ment;

from which

A pine, 6 ins. diam., bears N. 36½° E., 51 lks. dist., mkd. COL 82 M BT.

A pine, 10 ins. diam., bears S. 48¾° E., 60 lks. dist., mkd. NM 82 M BT.

Land, mountainous.

Soil, sandy and stony; 3rd rate.

Timber, scattering scrub yellow and white pine and pinon; under growth, dense oak and service brush.

The Darling Line, 83rd Mile

Chains

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

79.58 N. 0.8 lks. to the parallel, thence the 83rd Mi. Cor. bears S. 22.4 lks. dist.; on this determination the true line bears S. 89° 50′ W.

REESTABLISHMENT

Thence from the 82nd Mi. Cor. S. 89° 50′ W., on a reestablishment of the 83rd mile.

Ascend 90 ft. over steep E. slope, through scattering timber and dense undergrowth.

6.00 Top of steep ascent, begin gradual ascent on ridge.

25.50 Top of spur ridge, bears N. and S. 60° E.; descend 160 ft. over SW. slope.

37.10 Spring branch in canon, course S. 30° E., turning to S. 70° E.; ascend 260 ft. over E. slope.

47.64 The Carpenter 249.55 Mi. Cor. bears North, 31.68 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

54.40 Ridge, bears N. and S.; elevation 8000 ft.; begin descent of 190 ft. over W. slope to corner.

79.58 Darling's 83rd Mi. Cor.; a sandstone, 18x6x5 ins., firmly set in ground and small mound of stone, mkd. C on N., NM on S., 83 M on E., and 1868 on W. face; a sandstone, 9x6x2 ins., mkd. 83 M, deposited in the mound of stone;

from which

A pine tree stump, 16 ins. diam., bears N. 14¼° W., 62 lks. dist., no marks.

A spruce, 14 ins. diam., bears S. 15½° E., 47 lks. dist., blazed.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 83, 1868-1925, and build a mound of stone around the monument;

from which

A pine, 8 ins. diam., bears N. 41½° W., 1.72 chs. dist., mkd.

Chains

THE DARLING LINE, 83RD MILE

COLO 83 M BT.

A pine, 7 ins. diam., bears S. 19½° W., 65 lks. dist., mkd. NM 83 M BT.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, scattering scrub yellow and white pine and spruce; under growth, oak, wild cherry and locust.

THE DARLING LINE, 84TH MILE

RETRACEMENT

Altitude observation on the sun for azimuth August 9, 1928.

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

79.96 N. 0.8 lks. to the parallel; thence the 84th Mi. Cor. bears S. 24.6 lks. dist.; on this determination the true line bears S. 89° 49′ W.

REESTABLISHMENT

Thence from the 83rd Mi. Cor. S. 89° 49′ W., on a reestablishment of the 84th mile.

Descend 80 ft. over W. slope, through scattering timber and undergrowth.

7.40 Head of canon, course S.; ascend 150 ft. over E. slope.

21.60 Divide between the Las Animas and Canadian Rivers, bears NE and W., elevation 7880 ft.; descend NW. slope.

27.00 Leave divide, bearing NW. and E.

33.40 Descend steep W. slope.

40.10 Head of canon, course S.; ascend 90 ft. over E. slope.

56.40 Divide between the Las Animas and Canadian Rivers, bears NE and SW.; descend 100 ft. over NW. slope.

65.81 The Carpenter 248.325 Mi. Cor. bears North, 32.57 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

75.60 Small spur, slopes N.

chains

The Darling Line, 84th Mile

79.96 Darling's 84th Mi. Cor.: a sandstone, 32x14x4 ins., firmly set in a mound of stone, mkd. C on N., NM on S., 84 M on E., and 1868 on W. face;

from which

A pine, 22 ins. diam., bears N. 59° E., 8 lks. dist., mkd. 84 M BT.

A large pine stump, bears S. 14¾° E., 34 lks. dist.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground with tablet seated in the top marked Mile Corner No. 84, 1868-1925, and build a mound of stone around the monument;

from which

A spruce, 7 ins. diam., bears N. 14¾° E., 43 lks. dist., mkd. COLO 84 M BT.

A pine, 6 ins. diam., bears S. 40¾° W., 24 lks. dist., mkd. NM 84 M BT.

Land, mountainous.

Soil, sandy loam and stony: 3rd rate.

Timber, medium thick scrub yellow and white pine and spruce: undergrowth, dense oak and service brush.

The Darling Line, 85th Mile.

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

79.12 N. 0.8 lks. to the parallel; thence the 85th Mi. Cor. bears N. 29.4 lks. dist.: on this determination the true line bears N. 89° 47' W.

REESTABLISHMENT

Thence from the 84th Mi. Cor. N. 89° 47' W., on a reestablishment of the 85th mile.

Descend NW. slope, through timber and undergrowth.

80 Head of drain in head of canon; course N.; ascend 100 ft. over steep NE. slope.

12.00 Spur, slopes N.; thence along broken N. slope.

Chains

THE DARLING LINE, 85TH MILE

22.00 Head of drain, course N.

25.50 Spur, slopes N. 10° W.; descend 210 ft. over W. slope.

41.90 Canon, course N. 35° W.; ascend 100 ft. over NE. slope.

46.07 The Carpenter 247.55 Mi. Cor. bears North, 32.73 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

50.00 Spur, slopes N.; descend 100 ft. over W. slope.

55.70 Canon, course N.; ascend 150 ft. over steep E. slope.

65.90 Spur, slopes N.; descend 140 ft. over steep W. slope.

75.60 Canon, course N. 10° E.; ascend 40 ft. over E. slope to corner.

79.12 Darling's 85th Mi. Cor.; a sandstone, 18x12x5 ins., lying on the ground mkd. C, NM, 85 M, and 68 on opposite faces;

from which

A pine, 18 ins. diam., bears S. 26° W., 60 lks. dist., mkd. NM 85 M BT.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 85, 1868-1925, and build a mound of stone around the monument;

from which

A pine, 9 ins. diam., bears N. 26¼° W., 1.11 chs. dist.; mkd. COLO 85 M BT.

A pine, 7 ins. diam., bears S. 58° W., 1.04 chs. dist., mkd. NM 85 M BT.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, medium thick yellow and white pine and spruce; undergrowth, oak and service brush.

THE DARLING LINE, 86TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent:

Chains

THE DARLING LINE, 86TH MILE

8.54 Hour Angle observation of Polaris for azimuth, August 10, 1928.

79.19 N. 0.8 lks. to the parallel; thence the 86th Mi. Cor. bears S. 41.6 lks. dist.; on this determination the true line bears S. 89° 42' W.

REESTABLISHMENT

Thence from the 85th Mi. Cor. S. 89° 42' W., on a reestablishment of the 86th mile.

Ascend 130 ft. over steep E. slope, through timber and undergrowth.

7.00 Spur, slopes N.; descend 100 ft. over W. slope.

17.00 Head of canon, course N. 15° E.; ascend 100 ft. over E. slope.

23.50 Spur, slopes N.; descend 80 ft. over W. slope.

29.13 Telephone line, bears N. 5¾° E. and S. 5¾° W.

30.30 Chicken (Gallinas) Canon near head, course N. 7° E.; ascend E. slope.

30.50 Electric power line, bears N. 6¼° E. and S. 0° 15' W.

30.96 Wagon road, bears N. 6½° E. and S.

31.50 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 85 + 31.50 Chs., 1868-1925, and build a mound of stone around the monument;

from which

A pine, 8 ins. diam., bears N. 83° W., 1.07 chs. dist., mkd. WP COLO BT.

A pine, 9 ins. diam., bears S. 58½° W., 85 lks. dist., mkd. WP NM BT.

39.30 Ridge, divide between Chicken (Gallinas) and Long's Canons, bears N. and S., elevation 7300 ft.; descend 230 ft. over W. slope.

45.60 Small canon, course SW., turning to N. 80° W.; thence cross S. slope.

46.90 Spur, slopes SW.

47.70 Arroyo in canon, course N. 80° W.; ascend NE. slope.

48.50 Spur, slopes ...; descend W. slope.

49.05 The Carpenter 246.25 Mi Cor. bears North, 33.40 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

Chains THE DARLING LINE, 86TH MILE

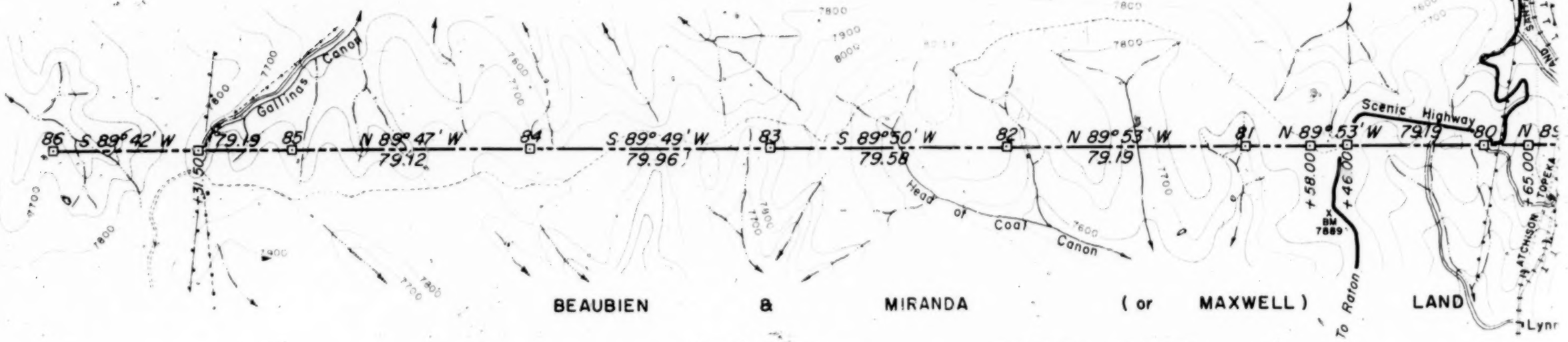
71.50 Arroyo in canon, course N.; ascend 150 ft. over steep E. slope to corner.

79.19 Darling's 86th Mi. Cor.; a sandstone, 20x10x4 ins., lying on the ground, mkd. C, NM, 86 M, and 1868 on opposite faces;
from which
A yellow pine stump, bears N. 55½° E., 75 lks. dist., mkd. BT.
A yellow pine stump, bears S. 54° W., 19 lks. dist., mkd. BT.
In place of stone
Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 86, 1868-1925, and build a mound of stone around the monument;
from which
A pine, 10 ins. diam., bears N. 25½° W., 96 lks. dist., mkd. COLO 86 M BT.
A pine, 12 ins. diam., bears S. 41¾° W., 1.29 chs. dist., mkd. NM 86 M BT.
Land, mountainous.
Soil, sandy loam and stony; 3rd rate.
Timber, medium thick yellow and white pine and spruce; undergrowth, oak and service brush.

C O L O R A D O

LAS ANIMAS COUNTY

BEAUBIEN & MIRANDA (or MAXWELL)



BEAUBIEN & MIRANDA (or MAXWELL) LAND

COLFAX COUNTY

N E W M E X I C O

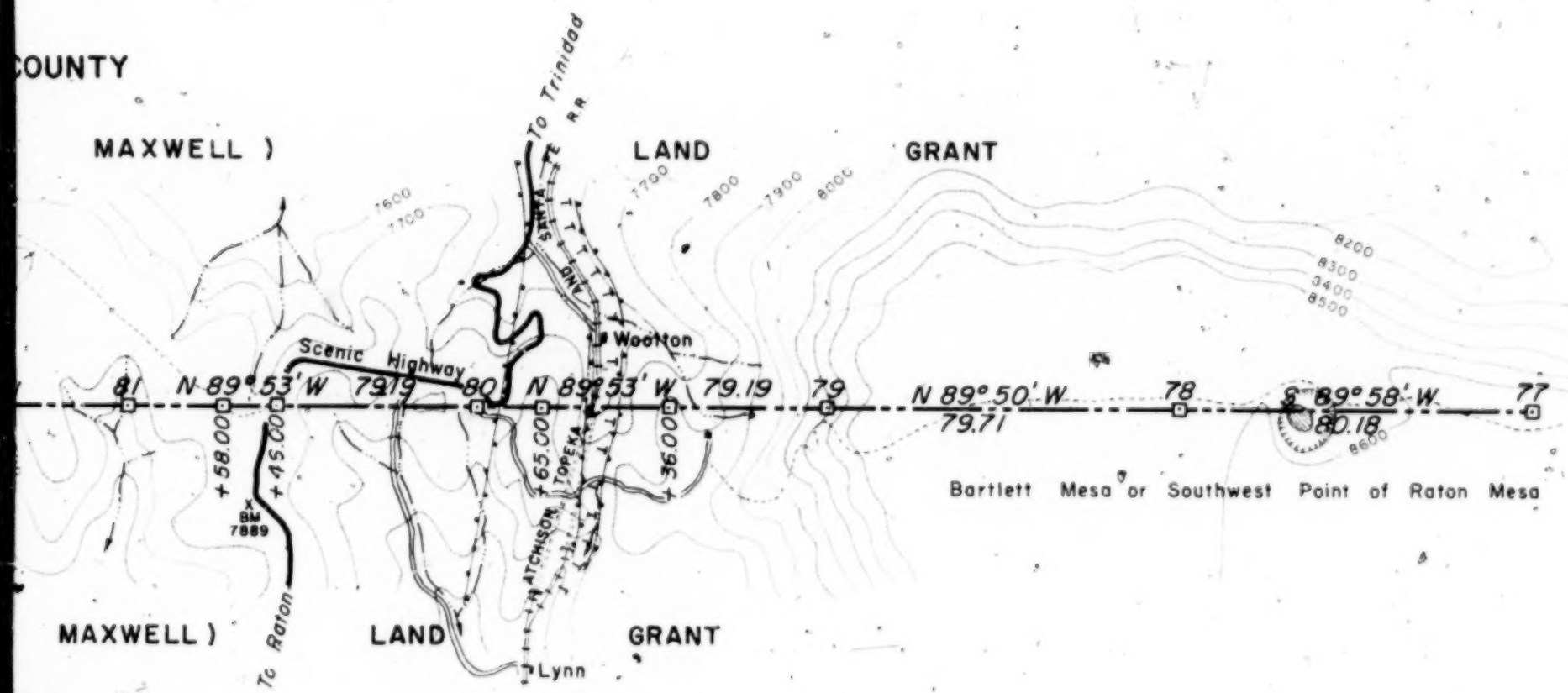
SCALE

0 10 20 30 40 80

40 Chains to the inch

A D O .

COUNTY



Bartlett Mesa or Southwest Point of Raton Mesa

TY

X I C O

E

80

the inch

COLORADO AND NEW MEXICO BOUNDARY

This plat depicts the boundary line between the States of Colorado and New Mexico as reestablished by the late Arthur D Kidder, Boundary Commissioner, under the Decree (268 U.S. 108) of the Supreme Court of the United States, dated April 13, 1925

Joseph C. Thoma

Commissioner

COLORADO AND NEW MEXICO BOUNDARY

FIELD NOTES AND MAP OF SURVEY

MILE CORNER No. 87

to

MILE CORNER No. 94

THE DARLING LINE, 87TH MILE

Chains

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit li describing a tangent.

79.01 N. 0.8 lks. to the parallel; thence the 87th Mi. Cor. bears S. 6.1 lk dist.; on this determination the true line bears S. 89° 57′ W.

REESTABLISHMENT

Thence from the 86th Mi. Cor. S. 89° 57′ W., on a reestablishmen of the 87th mile.

Ascend gradually, through timber and undergrowth.

1.40 Spur, slopes N.; descend 170 ft. over steep W. slope.

8.30 Canon, course N. 10° E.; ascend 200 ft. over steep E. slope.

19.60 Spur, slopes N. 20° E.; begin gradual descent over NW. slope.

27.90 Small canon near head, course N.; ascend 150 ft. over brushy E. slope.

38.30 Ridge, bears N. 30° W. and S. 30° E.; descend 310 ft. over broke SW. slope.

57.30 Short gulch, course SW. turning to W. in canon.

59.00 Point of spur, slopes SW.

60.50 Spring branch in canon, 2 lks. wide, course N. turning to NW., eleva tion 7460 ft.

62.40 Arroyo in canon, course N. 20° E.; ascend 230 ft. over steep NE slope.

78.00 Top of ascent, begin gradual descent.

79.01 Darling's 87th Mi. Cor.; a sandstone, 16x8x3 ins., firmly set in small mound of stone, mkd. C on N., NM on S., 87 M on E., and 68 on W. face; a sandstone, 16x6x3 ins., mkd. 87 M, deposited under the mound of stone.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins in the ground, with tablet seated in the top marked Mile Corner No. 87, 1868-1925, and build a mound of stone around the monument;

from which

Chains

THE DARLING LINE, 87TH MILE

A pine, 14 ins. diam., bears N. 40° E., 61 lks. dist., mkd. COLO 87 M BT.

A pine, 10 ins. diam., bears S. 67¾° E., 71 lks. dist., mkd. NM 87 M BT.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, medium thick yellow and white pine, spruce and cedar; undergrowth, oak and service brush.

THE DARLING LINE, 88TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

12.52 Altitude observation on the sun for azimuth, August 16, 1928.

78.65 N. 0.8 lks. to the parallel; thence the 88th Mi. Cor. bears S. 11 lks. dist.; on this determination the true line bears S. 89° 55′ W.

REESTABLISHMENT

Thence from the 87th Mi. Cor. S. 89° 55′ W., on a reestablishment of the 88th mile.

Along N. slope, through timber and undergrowth.

2.90 Spur, slopes NW.; begin gradual descent of SW. slope.

11.20 Abrupt descent of 320 ft.

12.00 The Carpenter 245th Mi. Cor. bears North, 33.99 chs. dist.; an iron post, firmly set in a mound of stone; I remove this monument and obliterate the marks on the two bearing trees.

26.10 Arroyo in canon, course N. 35° W. turning to N.; ascend 280 ft. over steep E. slope.

41.90 Spur ridge, slopes N. 5° W.; descend 310 ft. over W. slope.

57.50 Spring branch in canon, course N.; ascend 100 ft. over NE. slope.

60.00 Leave timber bearing N. and S., continue in dense brush.

62.90 Spur, slopes N.; descend 80 ft. over NW. slope.

71.80 Spring branch in canon, course NE.; ascend 160 ft. over steep SE. slope to corner.

Chains

THE DARLING LINE, 88TH MILE

75.98 The Carpenter 244.184 Mi. Cor. bears North, 34.46 chs. dist.; an iron post, firmly set in a mound of stone; I remove this monument

78.65 Darling's 88th Mi. Cor.; a sandstone, 30x8x7 ins., firmly set in a mound of stone on small sandstone ledge, mkd. C on N., NM on S., 88 M on E., and 68 on W. face.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set in concrete base 22 ins. in ground on bedrock, with tablet seated in the top marked Mile Corner No. 88, 1868-1925, and build a mound of stone around the monument.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, scattering scrub pinon, cedar, and yellow and white pine, undergrowth, dense oak and service brush.

THE DARLING LINE, 89TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

79.03 N. 0.8 lks. to the parallel thence the 89th Mi. Cor. bears N. 13 lks. dist.; on this de[illegible]n the true line bears N. 89° 54' W.

REESTABLISHMENT

Thence from the 88th Mi. Cor. N. 89° 54' W., on a reestablishment of the 89th mile.

Ascend 100 ft. over steep SE. slope, through dense undergrowth.

5.00 Enter scattering scrub timber bearing N. and S.

7.00 Spur, slopes SE.; begin gradual descent along SW. slope.

12.10 Head of short canon, course SE.; ascend E. slope; enter scattering pine in cedar and pinon.

18.90 Ridge, bears N. 37° E. and S. 37° W.; descend 310 ft. over W. slope

23.70 Leave scrub timber, bears N. and S.; begin abrupt descent.

37.70 Spring branch in canon, course N. 20° E.; ascend 280 ft. over E. slope.

chains

THE DARLING LINE, 89TH MILE

52.00 Spur, slopes N. 60° E.: ascend along spur.

60.50 Leave spur, sloping N. 65° E. turning to E.: thence along N. slope.

68.00 Descend NW. slope.

76.00 Canon, course N. 70° E.: ascend steep E. slope.

79.03 Darling's 89th Mi. Cor.: a sandstone, 16x8x6 ins., loosely set in a small mound of stone, mkd. C on N., NM on S., and 68 on W. face.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 16 ins. in the ground, with tablet seated in the top marked Mile Corner No. 89, 1868-1925, and build a mound of stone around the monument;

from which

A pine, 7 ins. diam., bears N. 38° E., 30 lks. dist., mkd. COLO 89 M BT.

A pine, 10 ins. diam., bears S. 5° E., 1.69 chs. dist., mkd. NM 89 M BT.

Land, mountainous.

Soil, sandy loam and stony: 3rd rate.

Timber, scattering scrub cedar, pinon and pine; undergrowth, dense oak and service brush.

THE DARLING LINE, 90TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

13.00 Altitude observation on the sun for azimuth, August 18, 1928.

79.32 N. 0.8 lks. to the parallel; thence the 90th Mi. Cor. bears S. 6.3 lks. dist.; on this determination the true line bears S. 89° 57' W.

REESTABLISHMENT

Thence from the 89th Mi. Cor., S. 89° 57' W., on a reestablishment of the 90th mile.

Chains THE DARLING LINE, 90TH MILE

Ascend steep E. slope, through scattering scrub timber and dens undergrowth.

12.77 The Carpenter 243rd Mi. Cor. bears North, 34.72 chs. dist.; an iro post, firmly set in ground and mound of stone; I remove thi monument and obliterate the marks on the four bearing trees.

Ascend along SE. slope; enter dense timber..

16.60 Ridge, bears N. 30° E. and S. 30° W.

18.70 Saddle on ridge at head of canon, course S. 80° E.; descend 130 ft over W. slope.

27.60 Arroyo in canon near head, course N. 20° E.; ascend 180 ft. over steep E. slope.

45.20 Ridge, bears N. 25° W. and S. 25° E.; descend 230 ft. over SW slope.

64.50 Gulch, course S. 50° W.; ascend steep SE. slope.

69.80 Spur, slopes SW.; descend W. slope.

74.00 Gulch, course S. 10° W.; ascend steep E. slope.

79.32 Darling's 90th Mi. Cor.; a sandstone, 34x14x6 ins., loosely set in a mound of stone, mkd. C on N., NM on S., 90 M on E., and 68 on W. face;

from which

A pine, 18 ins. diam., bears N. 37° E., 50 lks. dist., mkd. C 90 M BT.

A pine, 24 ins. diam., bears West, 51 lks. dist., blazed.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 18 ins in the ground; with tablet seated in the top marked Mile Corner No. 90, 1868-1925, and build a mound of stone around the monument;

from which

A pine, 10 ins. diam., bears N. 44¾° W., 1.33 chs. dist., mkd COLO 90 M BT.

A pine, 5 ins. diam., bears S. 0° 30' E., 55 lks. dist., mkd. NM 90 M BT.

Corner stands on small spur, sloping S., under an E. and W. fence.

Land mountainous.

Soil, sandy loam and stony; 3rd rate.

Chains

THE DARLING LINE, 90TH MILE

Timber, yellow and white pine, spruce and scrub cedar and pinon; undergrowth, oak and service brush.

THE DARLING LINE, 91ST MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

79.19 N. 0.8 lks. to the parallel; thence the 91st Mi. Cor. bears N. 3.5 lks. dist.; on this determination the true line bears N. 89° 58' W.

REESTABLISHMENT

Thence from the 90th Mi. Cor. N. 89° 58' W., on a reestablishment of the 91st mile.

Descend gradually, through timber and undergrowth.

1.00 Small drain, course S.; ascend very gradually.

2.90 Spur, slopes S.; abrupt descent of 250 ft. over SW. slope.

9.80 Gulch, course S. 60° W.

11.00 Small spur, slopes SW.

13.54 The Carpenter 242nd Mi. Cor. bears North, 35.00 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

14.90 Arroyo in canon, course NW. turning to N. 75° W.; ascend 70 ft. over NE. slope.

24.70 Rounding spur, slopes N.; descend 190 ft. over NW. slope.

39.80 Canon, course N. 20° W. turning to N. 10° E.; ascend 210 ft. over NE. slope.

55.00 Spur, slopes N.; thence along N. slope.

61.50 Head of drain, course N. 5° E.

67.60 Spur, slopes NW.; descend 230 ft. over SW. slope to corner.

79.19 Darling's 91st Mi. Cor.; a sandstone, 24x14x4 ins., lying on a small mound of stone, mkd. C, NM, 91 M and 68 on opposite faces; from which

A pine, 16 ins. diam., bears N. 37° W., 61 lks. dist., mkd. BT.

Chains

THE DARLING LINE, 91ST MILE

A pine, 18 ins. diam., bears S. 29¼° W., 91 lks. dist., blazed.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 91, 1868-1925, and build a mound of stone around the monument;

from which

A pine, 16 ins. diam., bears N. 37° W., 61 lks. dist., mkd. COLO 91 M BT (original tree remarked).

A spruce, 10 ins. diam., bears S. 93¼° W., 59 lks. dist., mkd. NM 91 M BT.

Corner is under an E. and W. fence.

Land, mountainous.

Soil, sandy clay and stony; 3rd rate.

Timber, scattering yellow and white pine and spruce; undergrowth, dense oak, service and locust brush.

THE DARLING LINE, 92ND MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

78.87 N. 0.8 lks. to the parallel; thence the 92nd Mi. Cor. bears S. 21 lks. dist.; altitude observation on the sun for azimuth, August 23 and 24, 1928; on this determination the true line bears S. 89° 51' W.

REESTABLISHMENT

Thence from the 91st Mi. Cor. S. 89° 51' W., on a reestablishment of the 92nd mile.

Descend 95 ft. over steep W. slope, through scrub timber and undergrowth.

2.60 Narrow gulch in canon, course NW.; ascend 220 ft. over NE. slope.

15.67 The Carpenter 241st Mi. Cor. bears North, 35.63 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the bearing tree.

18.50 Spur, slopes NE.

Chains

THE DARLING LINE, 92ND MILE

21.00 Swale 20 ft. deep.

31.00 Ridge, bears N. 18° W. and S. 18° E.; descend 450 ft. over SW. and W. slope.

49.00 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 91 + 49 Chs., 1868-1925, and build a mound of stone around the monument;

from which

A cedar, 8 ins. diam., bears N. 60½° E., 1.80 chs. dist., mkd. WP COLO BT.

A pine, 6 ins. diam., bears S. 68¾° E., 1.35 chs. dist., mkd. WP NM BT.

50.40 Spring branch in canon, course N. 5° W. turning to NE.; ascend 170 ft. over NE. slope.

51.00 Leave timber, bears NE. and S.

50.10 Spur, slopes N. 15° E.; descend 180 ft. over NW. slope.

50.61 The Carpenter 240.325 Mi. Cor. bears North, 35.82 chs. dist.; an iron post, firmly set in the ground and mound of stone; I remove this monument and obliterate the marks on the two bearing trees.

55.70 Long's Canon Creek, water in holes, running stream 5 lks. wide, stone and gravel bottom, course N. 9° E., elevation 6900 ft.; ascend gradually in valley; leave undergrowth.

75.89 Abandoned railroad grade, from Trinidad, Colo., to Catskill, N. M., bears N. 45½° E. and S. 49¼° W.

76.87 Darling's 92nd Mi. Cor.; a sandstone, 32x10x6 ins., broken at the ground, one part 10 ins. in ground, and mound of stone, no marks.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 92, 1868-1925, and build a mound of stone around the monument;

from which

A pine, 5 ins. diam., bears N. 53½° E., 2.84 chs. dist., mkd. COLO 92 M BT.

A cottonwood, 10 ins. diam., bears S. 40¾° W., 2.57 chs. dist., mkd. NM 92 M BT.

Chains

THE DARLING LINE, 92ND MILE

Corner is under an E. and W. fence.
Land, mountainous.
Soil, sandy loam and stony; 3rd rate.
Timber, scattering scrub cedar, pinon, yellow and white pine, spruce and cottonwood; undergrowth, oak, service and locust brush.

THE DARLING LINE, 93RD MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

79.66 N. 0.8 lks. to the parallel; thence the 93rd Mi. Cor. bears S. 13.8 lks dist.; on this determination the true line bears S. 89° 54' W.

REESTABLISHMENT

Thence from the 92nd Mi. Cor. S. 89° 54' W., on a reestab'ishment of the 93rd mile.
Ascend gradually in valley.

7.00 Base of abrupt ascent, bears NE. and SW.; ascend 200 ft. over broken SE. slope; enter oak brush.

9.90 Small spur, sloping SE.

13.00 Small gulch, course SE.

20.40 Spur, slopes S. 60° E.; descend along S. slope.

28.30 Gulch, course S. 55° E.; ascend 240 ft. over E. slope.

39.60 Spur, slopes S. 65° E.; ascend gradually along S. slope; enter timber bears N. and S.

52.90 Top of high hill, elevation 7420 ft.; descend W. slope.

55.90 Saddle on hill drains NW. and SE.

63.60 Spur, slopes N.; thence along N. slope.

78.20 Ridge, bears N. and SE.; descend W. slope to corner.

79.66 Darling's 93rd Mi. Cor.; a sandstone, 26x12x2 ins., firmly set in mound of stone, mkd. C on N., NM on S., 93 M on E., and 68 on W. face.

chains

The Darling Line, 93rd Mile

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 93, 1868-1925, and build a mound of stone around the monument;

from which

A pine, 7 ins. diam., bears N. 21¼° E., 1.65 chs. dist., mkd. COLO 93 M BT.

A spruce, 16 ins. diam., bears S. 20½° E., 73 lks. dist., mkd. NM 93 M BT.

Corner is under an E. and W. fence.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, scattering scrub yellow and white pine and spruce; undergrowth, oak and service brush.

The Darling Line, 94th Mile

RETRACEMENT

Altitude observation on the sun for azimuth, August 27, 1928.

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

37 N. 0.8 lks. to the parallel; thence the 94th Mi. Cor. bears S. 57.8 lks. dist.; on this determination the true line bears S. 89° 35′ W.

REESTABLISHMENT

Thence from the 93rd Mi. Cor. S. 89° 35′ W., on a reestablishment of the 94th mile.

Descend 160 ft. over SW. slope, through timber and undergrowth.

23 The Carpenter 239th Mi. Cor. bears North, 36.38 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

10 Gulch, course SE. turning to S.; ascend 70 ft.

80 Spur, slopes SE.; descend 100 ft.

20 Arroyo in canon, course S. 70° E.; ascend 150 ft. over NE. slope.

Chains THE DARLING LINE, 94TH MILE

40.20 Spur, slopes N.; descend NW. slope.

43.90 Small canon, course N. 30° E.; ascend 180 ft. over E. slope.

57.30 Spur, slopes NE.; descend 50 ft. over NW. slope.

64.00 Drain, course N. 55° E.; ascend 170 ft. over E. slope.

76.00 Begin gradual ascent on high ridge.

79.37 Darling's 94th Mi. Cor.; a sandstone, 24x13x6 ins., firmly set in a mound of stone, mkd. C on N., NM on S., 94 M on E., and 68 on W. face;

from which

An old stump hole, bears N. 12° E., 1.38 chs. dist.

Butt of fallen pine tree, bears S. 12° W., 1.14 chs. dist.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 22 ins in the ground, with tablet seated in the top marked Mile Corner No. 94, 1868-1925, and build a mound of stone around the monument;

from which

A pine, 12 ins. diam., bears N. 28° W., 90 lks. dist., mkd. COLO 94 M BT.

A pine, 6 ins. diam., bears S. 40½° W., 33 lks. dist., mkd. NM 94 M BT.

Corner stands on high ridge, elevation 7620 ft., and under an E. and W. fence.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, medium thick-yellow and white pine and spruce; undergrowth, oak and service brush.

C O L O R A D O

LAS ANIMAS COUNTY

BEAUBIEN & MIRANDA (or MAXWELL) LA

BEAUBIEN & MIRANDA (or MAXWELL) LAND

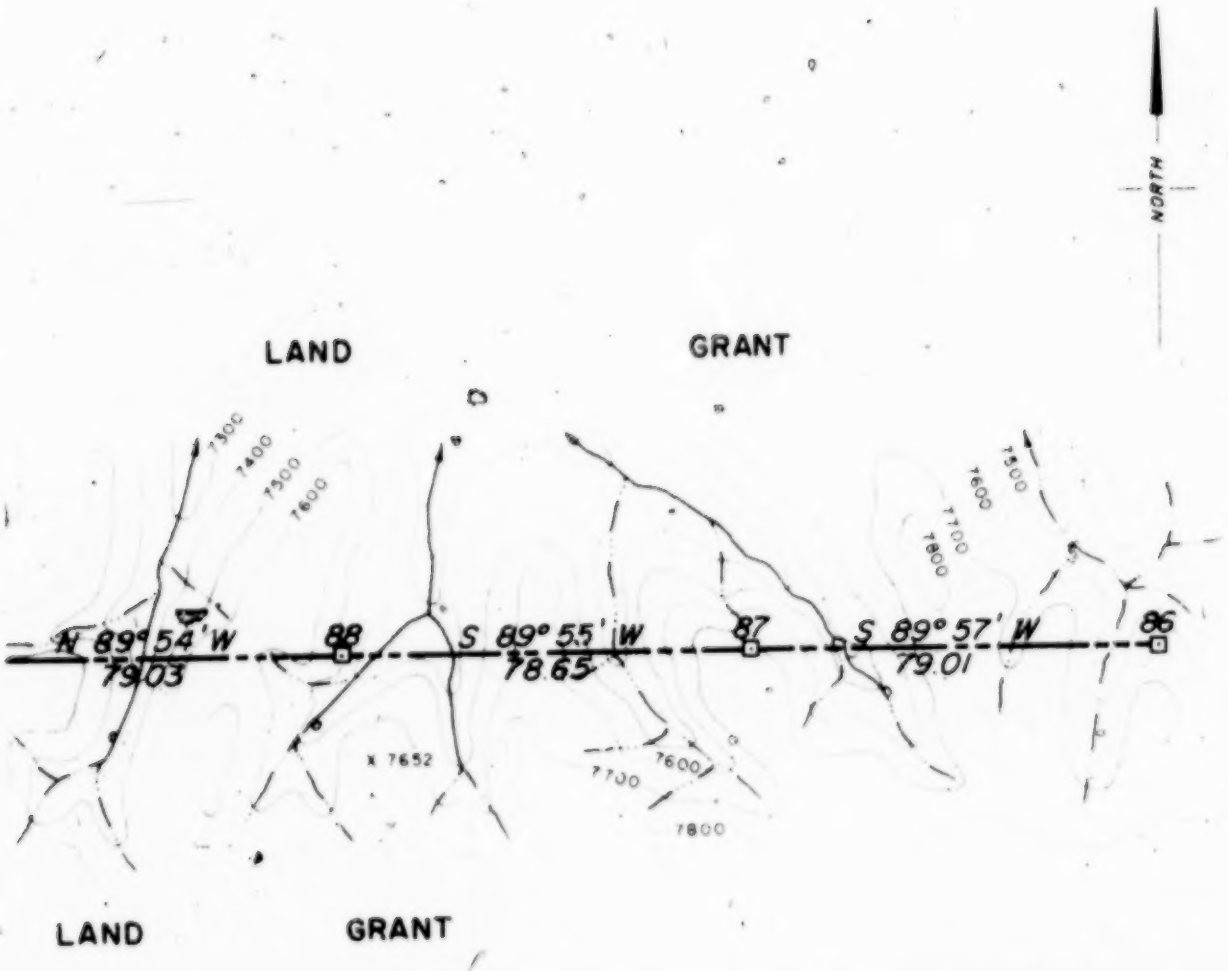
COLFAX COUNTY

N E W M E X I C O

SCALE

0 10 20 30 40 80

40 Chains to the inch



COLORADO AND NEW MEXICO BOUNDARY

This plat depicts the boundary line between the States of Colorado and New Mexico as reestablished by the late Arthur D Kidder, Boundary Commissioner, under the Decree (268 U.S. 108) of the Supreme Court of the United States, dated April 13, 1925

Joseph C. Thoma

Commissioner

COLORADO AND NEW MEXICO BOUNDARY

FIELD NOTES AND MAP OF SURVEY

MILE CORNER No. 95

to

MILE CORNER No. 102

THE DARLING LINE, 95TH MILE

Chains *RETRACEMENT*

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

79.44 N. 0.8 lks. to the parallel; thence the 95th Mi. Cor. bears S. 27.2 lks. dist.; on this determination the true line bears S. 89° 48′ W.

REESTABLISHMENT

Thence from the 94th Mi. Cor. S. 89° 48′ W., on a reestablishment of the 95th mile.

Descend gradually over SW. slope, through timber and undergrowth.

2.87 The Carpenter 238th Mi. Cor. bears North, 37.41 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

7.70 Head of drain, course SW.; ascend SE. slope.

17.50 Spur, slopes S. 10° E.; descend 200 ft. over SW. slope.

27.20 Canon, course SE. turning to S.; ascend 320 ft. over broken E. slope.

37.30 Small spur, slopes NE.

41.20 Small drain, course NE.

55.00 Ridge, bears N. and S. 15° E.; elevation 7730 ft.; descend 360 ft. over steep W. slope.

72.10 Canon, course S.; ascend steep E. slope.

74.61 The Carpenter 237.1 Mi. Cor. bears North, 37.91 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

77.10 Spur, slopes S.; descend W. slope.

79.44 Darling's 95th Mi. Cor.; a sandstone, 24x8x6 ins., firmly set in a mound of stone, mkd. C on N., NM on S., 95 M on E., and 68 on W. face;

from which

A pine stump, 18 ins. diam., bears N. 5° W., 37 lks., mkd. BT.

A pine stump, 18 ins. diam., bears S. 13° W., 1.10 chs. dist., no marks.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins

Chains

THE DARLING LINE, 95TH MILE

in the ground, with tablet seated in the top marked Mile Corner No. 95, 1868-1925, and build a mound of stone around the monument;

from which

A pine, 6 ins. diam., bears N. 24½° W., 25 lks. dist., mkd. COLO 95 M BT.

A pine, 9 ins. diam., bears S. 52° W., 1.53 chs. dist., mkd. NM 95 M BT.

Corner is under an E. and W. fence.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, yellow and white pine, and spruce; undergrowth, oak and service brush.

THE DARLING LINE, 96TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

9.90 N. 0.8 lks. to the parallel; thence the 96th Mi. Cor. bears S. 31.7 lks. dist.; on this determination the true line bears S. 89° 46' W.

REESTABLISHMENT

Thence from the 95th Mi. Cor. S. 89° 46' W., on a reestablishment of the 96th mile.

Descend 70 ft. over W. slope, through scattering timber and undergrowth.

3.20 Gulch, course S. 10° W.; ascend SE. slope.

8.40 Spur, slopes S.; descend along S. slope.

4.90 Small canon, course SE. turning to S. 60° E.; ascend 250 ft. over broken NE. slope.

1.50 Spur, slopes NE.

3.10 Drain, course N. 55° E.

6.90 Spur, slopes N. 15° E.; descend gradual NW. slope.

3.20 Swale slopes N.; ascend 160 ft. over NE. slope.

Chains

THE DARLING LINE, 96TH MILE

62.90 Ridge, bears NW. and SE., elevation 7760 ft.; descend 150 ft. over broken SW. slope to corner.

72.50 Small gulch, course S. 20° W.

75.50 Spur, slopes S. 30° E.

79.90 Darling's 96th Mi. Cor.; a sandstone, 22x10x8 ins., firmly set in a mound of stone, mkd. C on N., NM on S., 96 M on E., and 68 on W. face;

from which

Butt of fallen pine, bears N. 65° W., 1.46 chs. dist., no marks.

Butt of fallen pine, bears S. 40° W., 38 lks. dist., no marks.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set in concrete base, 20 ins. in the ground, with tablet seated in the top marked Mile Corner No. 96, 1868-1925, and build a mound of stone around the monument;

from which

A pine, 10 ins. diam., bears N. 15½° E., 33 lks. dist., mkd. COLO 96 M BT.

A pine, 6 ins. diam., bears S. 62½° E., 99 lks. dist., mkd. NM 96 M BT.

Corner is under an E. and W. fence.

Land, mountainous.

Soil, sandy clay and stony; 3rd rate.

Timber, scattering yellow and white pine, and spruce; undergrowth oak and service brush.

THE DARLING LINE, 97TH MILE

RETRACEMENT

Altitude observation on the sun for azimuth, August 29, 1928.

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.01 N. 0.8 lks. to the parallel; thence the 97th Mi. Cor. bears S. 33.4 lks. dist.; on this determination the true line bears S. 89° 46' W.

THE DARLING LINE, 97TH MILE

REESTABLISHMENT

Thence from the 96th Mi. Cor. S. 89° 46' W., on a reestablishment of the 97th mile.

Descend 50 ft. over SW. slope, through scattering oak brush.

2.48 The Carpenter 236th Mi. Cor. bears North, 38.46 chs. dist.; an iron post; firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the three bearing trees.

4.30 Gulch, course SE.; ascend 60 ft. over steep E. slope.

10.40 Spur, slopes SE.; descend 80 ft. along S. slope.

23.80 Arroyo in canon, course S. 30° E. turning to S. 70° E.; ascend 340 ft. over broken NE. slope.

36.70 Spur, slopes NE.

48.50 Gulch, course NE.; enter timber, bears N. and S.

72.00 Ridge, bears NW. and SE., elevation 7890 ft.; thence along S. slope.

78.00 Begin gradual descent.

80.01 Darling's 97th Mi. Cor.: a sandstone, 30x8x7 ins., firmly set in a mound of stone, mkd. C on N., NM on S., 97 M on E., and 68 on W. face; a sandstone, 8x6x3 ins., mkd. 97 M, 12 ins. below the surface;

from which

A pine stump, 13 ins. diam., bears N. 27° E., 93 lks. dist., no marks.

A pine stump, 16 ins. diam., bears S. 27° W., 37 lks. dist., mkd. BT.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 18 ins. in the ground, with tablet seated in the top marked Mile Corner No. 97, 1868-1925, and build a mound of stone and earth around the monument;

from which

A pine, 8 ins. diam., bears N. 51¾° E., 92 lks. dist., mkd. COLO 97 M BT.

A pine, 6 ins. diam., bears S. 32½° E., 1.10 chs. dist., mkd. NM 97 M BT.

Land, mountainous.

Chains

THE DARLING LINE, 97TH MILE

Soil, sandy clay and stony: 3rd rate.
Timber, yellow and white pine; undergrowth, oak brush.

THE DARLING LINE, 98TH MILE

RETRACEMENT

Beginning at the 98th Mi. Cor., as identified and hereinafter d
scribed,
East, on a retracement of the Darling boundary, on a transit li
describing a tangent.

13.60 Altitude observation on the sun for azimuth, October 4, 1927.

80.08 N. 0.8 lks. to the parallel; thence the 97th Mi. Cor. bears N. 20
lks. dist.; on this determination the true line bears S. 89° 51' W.

REESTABLISHMENT

Thence S. 89° 51' W., on a reestablishment of the 98th mile.
Descend 150 ft. over SW. slope, through timber and undergrowth.

2.37 The Carpenter 235th Mi. Cor. bears North, 39.12 chs. dist.; an iro
post, firmly set in ground and mound of stone; I remove th
monument and obliterate the marks on the four bearing trees.

15.90 Arroyo in canon, course SE.; ascend 160 ft. over NE. slope.

40.00 Top of high flat ridge, bears N. and SE., elevation 7890 ft.

46.50 Begin gradual descent along S. slope.

64.30 Divide between Lorencito and Long's Canons, bears N. 20° E. an
S. 20° W., elevation 7830 ft.; descend 130 ft. over W. slope.

73.40 Gulch, course N.; ascend 80 ft. over E. slope.

80.08 Darling's 98th Mi. Cor.; a sandstone, 24x10x5 ins., firmly set in a
mound of stone, mkd. C on N., NM on S., 98 M on E., and 68 o
W. face;
from which
Butt of fallen pine tree, bears N. 18° E., 96 lks. dist., mkd. BT.
A pine stump, 13 ins. diam., bears S. 14° W., 95 lks. dist., mkd
BT.
In place of stone

Chains

The Darling Line, 98th Mile

Construct a concrete monument, in a form 8x14x36 ins., set 18 ins. in the ground, with tablet seated in the top marked Mile Corner No. 98, 1868-1925, and build a mound of stone and earth around the monument;

from which

A pine, 6 ins. diam., bears N. 24¾° E., 20 lks. dist., mkd. COLO 98 M BT.

A pine, 13 ins. diam., bears S. 48¾° E., 1.27 chs. dist., mkd. NM 98 M BT.

Corner is under an E. and W. fence.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, scattering scrub yellow and white pine; undergrowth, oak and service brush.

The Darling Line, 99th Mile

RETRACEMENT

Beginning at the 99th Mi. Cor., as identified and hereinafter described.

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

20.84 Hour Angle observation of Polaris for azimuth, Oct. 3, 1927.

20.60 N. 0.8 lks. to the parallel; thence the 98th Mi. Cor. bears N. 56.8 lks. dist.; on this determination the true line bears S. 89° 35′ W.

REESTABLISHMENT

Thence S. 89° 35′ W., on a reestablishment of the 99th mile.

Descend 80 ft. over W. slope, through timber and undergrowth.

2.26 The Carpenter 234th Mi. Cor. bears North, 39.57 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the three bearing trees.

7.20 Gulch, course N.; thence over very broken N. slope, with spurs and gulches.

12.00 Spur, slopes N.

Chains — THE DARLING LINE, 99TH MILE

17.30 Gulch, course N.

21.70 Spur, slopes N.

31.00 Gulch, course N.

32.80 Spur, slopes N.

37.60 Gulch, course N.

43.00 Spur, slopes N.; descend 120 ft. over NW. slope.

51.30 Arroyo in canon, course N. 5° E.; ascend 220 ft. over steep E. slope

74.60 Spur, slopes N.; descend gentle NW. slope to corner.

79.60 Darling's 99th Mi. Cor.: a sandstone, 21x15x3 ins., firmly set in a mound of stone, mkd. C on N., NM on S., 99 M on E., and 68 on W. face;

from which

A pine tree stump, 16 ins. diam., bears N. 11° E., 26 lks. dist., mkd. BT.

A pine tree stump, 16 ins. diam., bears S. 17¾° W., 28 lks. dist., no marks.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 18 ins. in the ground, with tablet seated in the top marked Mile Corner No. 99, 1868-1925, and build a mound of stone and earth around the monument;

from which

A spruce, 16 ins. diam., bears N. 65¼° E., 1.03 chs. dist., mkd. COLO 99 M BT.

A pine, 5 ins. diam., bears S. 21¾° E., 52 lks. dist., mkd. NM 99 M BT.

Corner is under an E. and W. fence.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, yellow and white pine, and spruce; undergrowth, oak and service brush.

COLORADO AND NEW MEXICO BOUNDARY

THE DARLING LINE, 100TH MILE

RETRACEMENT

Beginning at the 100th Mi. Cor., as identified and hereinafter described; altitude observation on the sun for azimuth, September 28, 1927.

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

.24 N. 0.8 lks. to the parallel; thence the 99th Mi. Cor. bears N. 16 lks. dist.; on this determination the true line bears S. 89° 53′ W.

REESTABLISHMENT

Thence S. 89° 53′ W., on a reestablishment of the 100th mile.

Descend 170 ft. over steep NW. slope, through timber and undergrowth.

.61 The Carpenter 233rd Mi. Cor. bears North, 40.26 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the two bearing trees.

.00 Canon, course N.; ascend 210 ft. over steep E. slope.

.10 Spur, slopes N. 54° E.; descend 220 ft. over steep NW. slope.

.40 Arroyo in canon, course N. 5° E. turning to NE.; ascend 390 ft. over broken NE. slope.

.30 Point of small spur slopes S.

.90 Small drain, course S. 80° E.

.40 Ridge, bears N. turning to NE., and S. 25° E., elevation 7880 ft.; begin gradual descent over W. slope.

.24 Darling's 100th Mi. Cor.; a sandstone, 20x10x4 ins., firmly set in a mound of stone, mkd. C on N., NM on S., 100 M on E., and 68 on W. face;

from which

A pine stump, 14 ins. diam., bears S. 8¼° W., 13 lks. dist., mkd. BT.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 18 ins. in the ground, with tablet seated in the top marked Mile Corner No. 100, 1868-1925, and build a mound of stone and earth around the monument;

Chains

THE DARLING LINE, 100TH MILE

from which

A pine, 12 ins. diam., bears N. 41° E., 99 lks. dist., mkd. COL 100 M BT.

A pine, 11 ins. diam., bears S. 48¾° E., 69 lks. dist., mkd. NM 100 M BT.

Corner is under an E. and W. fence.

Land, mountainous.

Soil, sandy loam and stony: 3rd rate.

Timber, scattering yellow and white pine, and spruce; undergrowth oak and service brush.

THE DARLING LINE, 101ST MILE

RETRACEMENT

Beginning at the 101st Mi. Cor., as identified and hereinafter described,

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

76.00 Altitude observation on the sun for azimuth, September 28, 1927.

79.42 N. 0.8 lks. to the parallel; thence the 100th Mi. Cor. bears S. 3 lks. dist.; on this determination the true line bears N. 89° 59′ W.

REESTABLISHMENT

Thence N. 89° 59′ W., on a reestablishment of the 101st mile.

Descend gradual W. slope, through scattering timber and undergrowth.

0.81 The Carpenter 232nd Mi. Cor. bears North, 40.72 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the two bearing trees.

4.30 Small rim rock, bears NW. and SE.; abrupt descent of 320 ft.

12.30 Gulch, course N. 60° W.

23.00 Spring branch in canon, course N. 20° E.; ascend 80 ft.

25.50 Spur, slopes NE.; descend gentle NW. slope.

31.60 Arroyo in canon, course N. 60° E.; ascend 350 ft. over SE. and S. slope.

chains

THE DARLING LINE, 101ST MILE

37.20 Rim rock, 20 ft. high, bears N. 70° E. and S. 70° W.

48.90 Rim rock, bears NE. and SW.; thence ascend gradually along S. slope.

56.24 The closing cor. of secs. 33 and 34, T. 32 N., R. 19 E., NM P'rin Mer., New Mexico (established prior to the confirmation of the Maxwell Grant); a sandstone, 10x8x3 ins. above ground, firmly set in a mound of stone, mkd. with 3 grooves on E., 3 grooves on W., and CC on S. face;

from which

A pine, 26 ins. diam., bears S. 47° W., 56 lks. dist., mkd. T XXXII R XIX E BT.

A fallen pine, bears S. 72° E., 40 lks. dist., mkd. T XXXII R XIX E. (marks on piece).

75.00 Begin gradual descent along N. slope.

79.42 Darling's 101st Mi. Cor.; a sandstone, 16x10x8 ins., firmly set in a mound of stone, mkd. C on N., NM on S., 101 M on E., and 68 on W. face; a sandstone, 14x8x3 ins., mkd. 101 M. 12 ins. below the surface;

from which

A pine tree stump, bears N. 17½° W., 59 lks. dist., no marks.

A pine tree stump, bears S. 15° E., 59 lks. dist., no marks.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 18 ins. in the ground, with tablet seated in the top marked Mile Corner No. 101, 1868-1925, and build a mound of stone and earth around the monument;

from which

A pine, 7 ins. diam., bears N. 67¾° E., 73 lks. dist., mkd. COLO 101 M BT.

A pine, 7 ins. diam., bears S. 26° E., 48 lks. dist., mkd. NM 101 M BT.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, scattering yellow and white pine; undergrowth, oak and service brush.

The Darling Line, 102nd Mile

Chains

RETRACEMENT

Beginning at the 102nd Mi. Cor., as identified and hereinafter described; altitude observation on the sun for azimuth, September 27, 1927.

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

79.33 N. 0.8 lks. to the parallel; thence the 101st Mi. Cor. bears N. 14° lks. dist.; on this determination the true line bears S. 89° 54' W.

REESTABLISHMENT

Thence S. 89° 54' W., on a reestablishment of the 102nd mile. Along N. slope, through timber and undergrowth.

0.67 The Carpenter 231st Mi. Cor. bears North, 41.04 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the three bearing trees.

13.00 Spur, slopes N.; abrupt descent of 330 ft. over W. slope.

23.80 Canon, course N. 15° E.; ascend 370 ft. over steep E. slope.

30.80 Rim rock, bears N. and SW.

46.90 Begin gradual descent along N. slope.

79.33 Darling's 102nd Mi. Cor.; a sandstone, 26x10x4 ins., firmly set in a mound of stone, mkd. C on N., NM on S., 102 M on E., and 68 on W. face; a sandstone, 9x8x2 ins., mkd. 102 M, 12 ins. below the surface;

from which

A spruce, 42 ins. diam., bears S. 13° E., 97 lks. dist., mkd. NM 102 M BT.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 18 ins. in the ground, with tablet seated in the top marked Mile Corner No. 102, 1868-1925, and build a mound of stone and earth around the monument;

from which

A pine, 7 ins. diam., bears N. 20° E., 23 lks. dist., mkd. COLO 102 M BT.

A pine, 8 ins. diam., bears S. 49½° E., 75 lks. dist., mkd. NM 102 M BT.

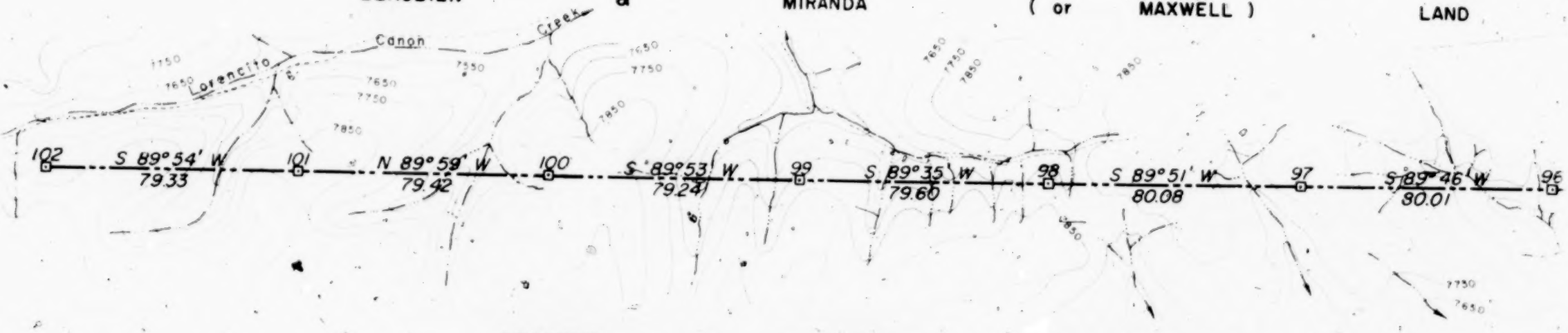
THE DARLING LINE, 102ND MILE

Corner is under an E. and W. fence.
Land, mountainous.
Soil, sandy loam and stony; 3rd rate.
Timber, yellow and white pine, and spruce; undergrowth, oak and service brush.

C O L O R A D O

LAS ANIMAS COUNTY

BEAUBIEN & MIRANDA (or MAXWELL) LAND



BEAUBIEN & MIRANDA (or MAXWELL) LAND GR

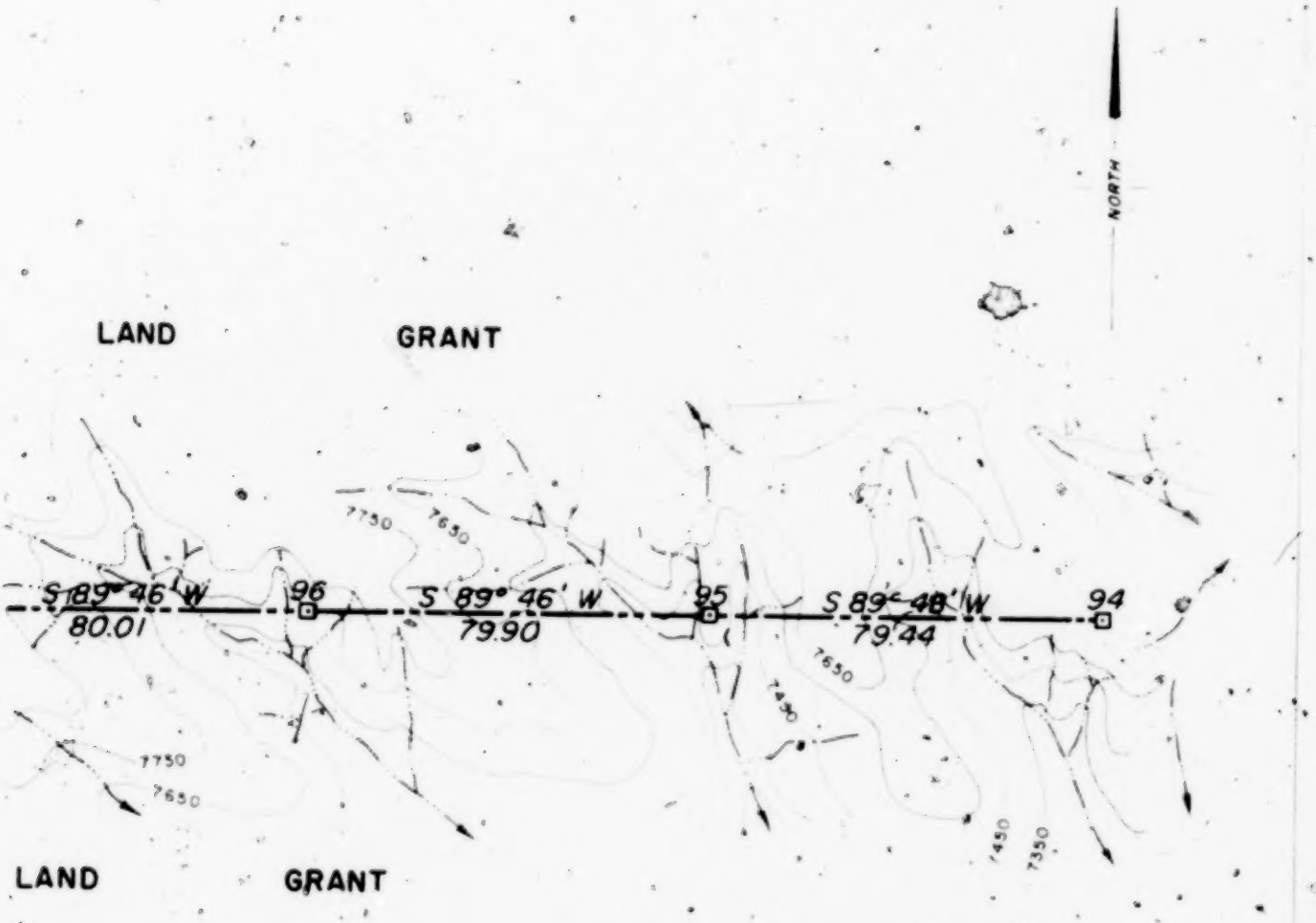
COLFAX COUNTY

N E W M E X I C O

SCALE

0 10 20 30 40 80

40 Chains to the inch



COLORADO AND NEW MEXICO BOUNDARY

This plat depicts the boundary line between the States of Colorado and New Mexico as reestablished by the late Arthur D Kidder, Boundary Commissioner, under the Decree (268 U.S. 108) of the Supreme Court of the United States, dated April 13, 1925

Joseph C. Thoma

Commissioner

COLORADO AND NEW MEXICO BOUNDARY

FIELD NOTES AND MAP OF SURVEY

MILE CORNER No. 103

to

MILE CORNER No. 110

The Darling Line, 103rd Mile

Chains

RETRACEMENT

Beginning at the 103rd Mi. Cor., as identified and hereinafter scribed,

East, on a retracement of the Darling boundary on a transit describing a tangent.

15.10 Hour Angle observation of Polaris for azimuth, September 24, 1

79.93 N. 0.8 lks. to the parallel; thence the 102nd Mi. Cor. bears N. 7 lks. dist.; on this determination the true line bears S. 89° 27' W

REESTABLISHMENT

Thence S. 89° 27' W., on a reestablishment of the 103rd mile. Descend gradually along gentle N. slope, through scattering timb and undergrowth.

0.92 The Carpenter 230th Mi. Cor. bears North, 41.41 chs. dist.; an iron post, firmly set in a mound of stone; I remove this monument a obliterate the marks on the four bearing trees.

4.20 Abrupt descent of 80 ft. over W. slope.

9.30 Gulch, course N.; ascend 70 ft. over E. slope.

12.00 Begin gradual descent along N. slope.

31.60 Abrupt descent of 100 ft. over W. slope.

36.50 Gulch, course N.; ascend 80 ft. over E. slope.

41.70 Spur, slopes N.; descend 60 ft. over NW. slope.

50.00 Enter Lorencito Canon.

55.40 Lorencito Canon Creek, course E., turning to S. 60° E.; elevation 7740 ft.

58.00 Leave Creek, course from N. 60° E., turning to E.

60.60 Leave Lorencito Canon; ascend NE. slope.

65.00 Spur, slopes NE.; descend 50 ft. over NW. slope.

70.90 Arroyo in small canon, course NE.; ascend 80 ft. to corner, on broken SE. slope.

74.16 The Carpenter 229.075 Mi. Cor. bears North, 42.28 chs. dist.; an iron post, firmly set in a mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

The Darling Line, 103rd Mile

7978 Darling's 103rd Mi. Cor.: a sandstone, 20x12x4 ins., firmly set in a mound of stone, mkd. C on N., NM on S., 103 M on E., and 68 on W. face;

from which

A pine, 29 ins. diam., bears N. 40½° E., 1.55 chs. dist., mkd. C 103 M BT.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 18 ins. in the ground, with tablet seated in the top marked Mile Corner No. 103, 1868-1925, and build a mound of stone and earth around the monument;

from which

A pine, 11 ins. diam., bears N. 68¾° E., 1.34 chs. dist., mkd. COLO 103 M BT.

A pine, 6 ins. diam., bears S. 40½° W., 34 lks. dist., mkd. NM 103 M BT.

Corner is under an E. and W. fence.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, scattering yellow and white pine, spruce, aspen and cottonwood; the aspen and cottonwood are in Lorencito Canon; undergrowth, oak and service brush.

The Darling Line, 104th Mile

RETRACEMENT

Beginning at the 104th Mi. Cor., as identified and hereinafter described,

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

7979 Altitude observation on the sun for azimuth, September 24, 1927.

7981 N. 0.8 lks. to the parallel; thence the 103rd Mi. Cor. bears S. 63.4 lks. dist.; on this determination the true line bears N. 89° 33′ W.

THE DARLING LINE, 104TH MILE

Chains *REESTABLISHMENT*

Thence N. 89° 33′ W., on a reestablishment of the 104th mile.
Ascend 410 ft. over broken SE. slope, through scattering timber a
undergrowth.

32.90 Rim rock 10 ft. high, bears N. and S.; begin gradual ascent of 16
near top of spur.

44.36 The Carpenter 228.3 Mi. Cor. bears North, 42.14 chs. dist.; a
– iron post, firmly set in a mound of stone; I remove this monume
and obliterate the marks on the three bearing trees.

79.81 Darling's 104th Mi. Cor.: a sandstone, 22x12x4 ins., firmly set
mound of stone, mkd. C on N., NM on S., 104 M on W., and
on E. face;
from which
A fallen and rotted pine, bears N. 45° E., 60 lks. dist.
A spruce, 18 ins. diam., bears S. 35° W., 11 lks. dist., marks co
pletely grown over; remove the overgrowth and find mks. N
104 M BT.
A sandstone, 20x10x5 ins., loosely set in a small mound of stone
marks, bears S. 1° 45′ E., 96.5 lks. dist.
In place of the first stone
Construct a concrete monument, in a form 8x14x36 ins., set 18 i
in the ground, with tablet seated in the top marked Mile Cor
No. 104, 1868-1925, and build a mound of stone and earth arou
the monument;
from which
A pine, 18 ins. diam., bears N. 64½° E., 2.50 chs. dist., m
COLO 104 M BT.
A pine, 8 ins. diam., bears South, 89 lks. dist., mkd. NM 10
BT.
Corner is under an E. and W. fence.
Land, mountainous.
Soil, sandy clay and stony; 3rd rate.
Timber, scattering yellow and white pine, spruce and aspen; und
growth, oak and service brush.

The Darling Line, 105th Mile

chains

RETRACEMENT

Beginning at the 105th Mi. Cor., as identified and hereinafter described; altitude observation on the sun for azimuth, September 20, 1927.

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

78.87 N. 0.8 lks. to the parallel; thence the 104th Mi. Cor. bears S. 85.3 lks. dist.; on this determination the true line bears N. 89° 23' W.

REESTABLISHMENT

Thence N. 89° 23' W., on a reestablishment of the 105th mile.
Ascend gradually along top of spur, through timber and undergrowth.

10.20 Top of high spur, slopes N. 85° E., elevation 8480 ft.; descend 310 ft. over NW. slope.

10.40 Rim rock, bears N. 20° W. and S.

19.20 Gulch, course N. 30° W.; ascend 120 ft. over NE. slope.

28.00 Low spur, slopes N.; descend NW. slope.

33.40 Gulch, course N. 20° E.; ascend 340 ft. over E. slope to corner.

36.81 The Carpenter 227th Mi. Cor. bears North, 41.40 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

38.87 Darling's 105th Mi. Cor.; a sandstone, 14x8x7 ins., firmly set in a mound of stone, mkd. C on N., NM on S., 105 M on E., and 68 on W. face;

from which

A spruce, 18 ins. diam., bears N. 28° W., 8 lks. dist., mkd. C BT.
A pine, 17 ins. diam., bears S. 12¼° W., 34 lks. dist., mkd. NM 105 BT.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 18 ins. in the ground; with tablet seated in the top marked Mile Corner No. 105, 1868-1925, and build a mound of stone and earth around the monument;

from which

Chains THE DARLING LINE, 105TH MILE

A pine, 9 ins. diam., bears N. 7¼ E., 99 lks. dist., mkd. C 105 M BT.

A pine, 13 ins. diam., bears S. 38¾ W., 1.53 chs. dist., mkd. 105 M BT.

Corner is under an E. and W. fence and on a high spur, slo N. 15 E., elevation 8650 ft.

Land, mountainous.

Soil, sandy clay and stony; 3rd rate.

Timber, yellow and white pine, spruce and aspen; undergro oak and service brush.

THE DARLING LINE, 106TH MILE

RETRACEMENT

Beginning at the 106th Mi. Cor., as identified and hereinafter scribed,

East, on a retracement of the Darling boundary, on a transit describing a tangent,

76.50 Altitude observation on the sun: for azimuth, September 20, 1927

79.47 N. 0.8 lks. to the parallel; thence the 105th Mi. Cor. bears S. lks. dist.; on this determination the true line bears N. 89° 23' W

REESTABLISHMENT

Thence N. 89° 23' W., on a reestablishment of the 106th mile.

Descend 190 ft. over W. slope, through timber and undergrowth

16.00 Gulch, course N. 20° W.; ascend gentle NE. slope.

18.80 Small spur, slopes N.; descend gentle NW. slope.

21.50 Head of drain, course N.; ascend 190 ft. over NE. slope.

46.00 Divide between the Las Animas and Canadian Rivers, bears N. 60° W. and S. 30° E., turning to S. 60° E.; elevation 865 descend very gradual W. slope.

49.60 Saddle at head of draw, course S.; ascend 260 ft. over gradual slope to corner.

69.21 The Carpenter 226th Mi. Cor. bears North, 40.60 chs. dist.; an post, firmly set in a mound of stone; I remove this monument a obliterate the marks on the two bearing trees.

THE DARLING LINE, 106TH MILE

Darling's 106th Mi. Cor.: a sandstone, 18x8x3 ins., firmly set in a mound of stone, mkd. C on N., NM on S., 106 M on E., and 6S on W. face; partly broken on W. side;

from which

A pine, 18 ins. diam., bears N. 4½ W., 82 lks. dist., mkd. 106 BT.

A pine, 11 ins. diam., bears S. 43¾ E., 48 lks. dist., mkd. NM 106 BT.

These two trees have been mkd. in recent years, scribed with knife and are not the original trees.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 106, 1868-1925, and build a mound of stone and earth around the monument;

from which

A pine, 10 ins. diam., bears N. 14½ W., 1.00 ch. dist., mkd. COLO 106 M BT.

A pine, 10 ins. diam., bears S. 40½ W., 94 lks. dist., mkd. NM 106 M BT.

Corner is under an E. and W. fence.

Land, mountainous.

Soil, sandy clay and stony; 3rd rate

Timber, yellow and white pine, spruce and aspen; undergrowth, oak and service brush.

THE DARLING LINE, 107TH MILE

RETRACEMENT

Beginning at the 108th Mi. Cor., as identified and hereinafter described; altitude observation on the sun for azimuth, September 15, 1927.

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

N. 0.8 lks. to the parallel; the 107th Mi. Cor. has become obliterated.

Hour Angle observation of Polaris for azimuth, September 20, 1927.

N. 3.0 lks. to the parallel; thence the 106th Mi. Cor. bears S. 94.2 lks. dist.; on this determination the true line bears N. 89° 40' W.

THE DARLING LINE, 107TH MILE

Chains

REESTABLISHMENT

Thence N. 89° 40' W., on a reestablishment of the 107th mile. Ascend gradual E. slope, through timber and undergrowth.

0.70 Divide between the Las Animas and Canadian Rivers, bears N. 80° E. and S. 75° W., elevation 8890 ft.; descend NW. slope.

20.10 Head of small gulch, course N. 10° E.; ascend NE. slope.

32.20 Top of NE. slope; thence along N. slope.

*69.64 The Carpenter 225th Mi. Cor. bears North, 40.52 chs. dist., an iron post, firmly set in ground and mound of stone; I remove the monument and obliterate the marks on the three bearing trees.

80.85 The proportional point; unable to identify Darling's 107th Mi. Cor. Construct a concrete monument, in a form 8x14x36 ins., set 18 ins. in the ground, with tablet seated in the top marked Mile Cor. No. 107, 1868-1925, and build a mound of stone and earth around the monument;

from which

A pine, 8 ins. diam., bears N. 51½° W., 63 lks. dist., mkd. Cor. 107 M BT.

A pine, 8 ins. diam., bears S. 64½° W., 43 lks. dist., mkd. Cor. 107 M BT.

Corner is under an E. and W. fence.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, yellow and white pine, spruce and aspen; undergrowth, oak and service brush.

THE DARLING LINE, 108TH MILE

REESTABLISHMENT

N. 89° 40' W., on a reestablishment of the 108th mile.

Ascend gradual NE. slope, through timber and undergrowth.

57.28 The Carpenter 224.15 Mi. Cor. bears North, 40.29 chs. dist., an iron post, firmly set in ground and mound of stone; I remove the monument and obliterate the marks on the three bearing trees.

The Darling Line, 108th Mile

Divide between the Las Animas and Canadian Rivers, bears NW and S. 70° E., elevation 9190 ft.; descend gradually along S. slope.

Darling's 108th Mi. Cor.: a sand-stone, 24x7x3 ins., firmly set in a mound of stone, mkd. C on N., NM on S., 108 M on E., and 68 on W. face;

from which

A pine, 16 ins. diam., bears N. 19° W., 30 lks. dist., mkd. 108 BT. This tree has been mkd. in recent years and is not an original tree.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 108, 1868-1925, and build a mound of stone and earth around the monument;

from which

A pine, 11 ins. diam., bears N. 35° W., 1.29 chs. dist., mkd. COLO 108 M BT.

A pine, 15 ins. diam., bears S. 31° E., 64 lks. dist., mkd. NM 108 M BT.

Corner is under an E. and W. fence.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, yellow and white pine, spruce and aspen; undergrowth, scattering oak brush.

The Darling Line, 109th Mile

RETRACEMENT

Beginning at the 109th Mi. Cor., as identified and hereinafter described; altitude observation on the sun for azimuth, September 14, 1927.

East, on a retracement of the Darling boundary, on a transit line describing a tangent.

N. 0.8 lks. to the parallel; thence the 108th Mi. Cor. bears N. 4.496 chs. dist.; on this determination the true line bears S. 86° 44' W.

THE DARLING LINE, 109TH MILE

Chains *REESTABLISHMENT*

Thence S. 86° 44′ W., on a reestablishment of the 109th mile. Along S. slope, through timber and undergrowth.

8.50 Head of drain, course S.; ascend SE. slope.

25.50 Spur, slopes S.; descend 170 ft. over W. slope.

43.20 The Carpenter 223.325 Mi. Cor. bears North, 42.76 chs. dist. iron post, firmly set in ground and mound of stone; I remove monument and obliterate the marks on the four bearing trees.

54.80 Head of drain, course S. 10° E.; ascend SE. slope.

59.90 Spur ridge, bears N. 30° E. and SW.; descend 140 ft. over W. slo

75.50 Enter small park.

78.95 Darling's 109th Mi. Cor.: a sandstone, 28x8x4 ins., firmly set i small mound of stone, mkd. C on N., NM on S., 109 on E., a 68 on W. face.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 in the ground, with tablet seated in the top marked Mile Cor No. 109, 1868-1925, and build a mound of stone and earth aro the monument;

from which

A white pine, 6 ins. diam., bears N. 28½° W., 1.04 chs. dist., m COLO 109 M BT.

A white pine, 8 ins. diam., bears S 56¾° W., 3.04 chs. dist., m NM 109 M BT.

Corner is under an E. and W. fence.

This fence follows the boundary from the 90th Mi. Cor. to the 10 Mi. Cor.; it is near the boundary from the Raton-Trinidad H way (80 + 48 Chs.) to the 90th Mi. Co it follows near boundary from the 109th Mi. Cor. to the 10th Mi. Cor., t bears away from the boundary to the S.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, yellow and white pine, and aspen; undergrowth, oak service brush.

THE DARLING LINE, 110TH MILE

RETRACEMENT

Chains

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

0.45 Altitude observation on the sun for azimuth, August 2, 1927.

79.91 N. 0.8 lks. to the parallel; thence the 110th Mi. Cor. bears S. 42 lks. dist.; on this determination the true line bears S. 89° 42' W.

REESTABLISHMENT

Thence from the 109th Mi. Cor. S. 89° 42' W., on a reestablishment of the 110th mile.

Descend 40 ft. over W. slope, through scattering oak brush in small park.

2.40 Enter timber, bearing NE. and SW.

2.90 Gulch, course S. 30° W.; ascend 110 ft. over E. slope.

11.60 Spur, slopes S.; descend 60 ft. over gradual SW. slope.

22.50 Small gulch, course SW.; thence along SW. slope.

30.17 The Carpenter 222.5 Mi. Cor. bears North, 45.08 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the three bearing trees.

Leave timber and undergrowth, bearing N. 70° W. and S.

34.00 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 109 + 34 Chs., 1868-1925, and build a mound of stone around the monument;

from which

A pine, 21 ins. diam., bears N. 4° W., 1.68 chs. dist., mkd. WP COLO BT.

A white pine, 8 ins diam., bears S. 73¾° E., 3.58 chs. dist., mkd. WP NM BT.

37.40 Arroyo in small canon, course S. 60° E.; ascend 140 ft. over E. slope.

41.80 Enter timber and undergrowth, bears NW. and SE.

47.60 Top of high spur ridge, bears N. and S., elevation 9050 ft.; descend 260 ft. over broken SW. slope.

48.50 Gulch, course S. 60° W.

Chains

THE DARLING LINE, 110TH MILE

70.70 Leave timber, bearing N. and S.

74.90 Old road, bears NW. and SE.

77.30 Arroyo in Red River Canon, near head of the Canadian River, course SE.; ascend 40 ft. to corner.

79.91 Darling's 110th Mi. Cor.: a sandstone, 24x20x3 ins., firmly set in a small mound of stone, mkd. NM on S., and 110 on E. face, with indistinct mks. on N. face and no mks. on W. face;

from which

A pine, 18 ins. diam., bears S. 4° E., 55 lks. dist., old blaze covered 23 to 25 years, no mks.

In place of stone

Set a sandstone, 24x13x10 ins., in a concrete base, 16 ins. in the ground, with tablet seated in top of stone marked Mile Corner No. 110, 1868-1925, and build a mound of stone around the monument;

from which

A pine, 40 ins. diam., bears N. 70° W., 2.77 chs. dist., mkd. COLO 110 M BT.

A white pine, 7 ins. diam.; bears S. 37½° E., 1.42 chs. dist., mkd. NM 110 M BT.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, yellow and white pine, and aspen; undergrowth, oak and service brush.

C O L O R A D O .

LAS ANIMAS COUNTY.

BEAUBIEN & MIRANDA (or MAXWELL) LAN

Red River Canon

Lorencito Canon

S 89° 42' W 79.91 — S 86° 44' W 78.95 — N 89° 40' W 80.85 — N 89° 40' W 80.85 — N 89° 23' W 79.47 — N 89° 23' W 78.87

110 — 109 — 108 — 107 — 106 — 105

+34.00

BEAUBIEN & MIRANDA (or MAXWELL) LAND

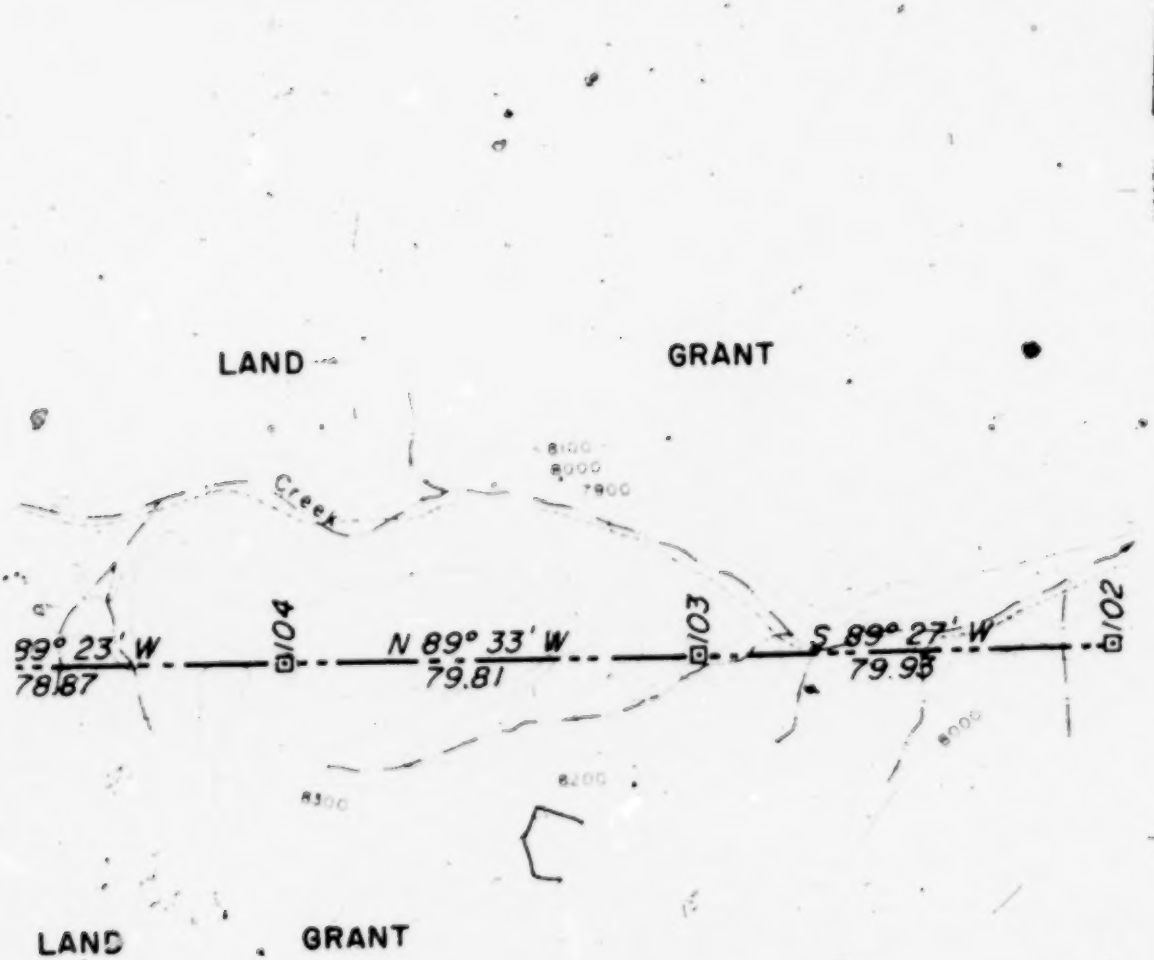
COLFAX COUNTY

N E W M E X I C O

SCALE

0 10 20 30 40 80

40 Chains to the Inch



COLORADO AND NEW MEXICO BOUNDARY

This plat depicts the boundary line between the States of Colorado and New Mexico as reestablished by the late Arthur D Kidder, Boundary Commissioner, under the Decree (268 U.S. 108) of the Supreme Court of the United States, dated April 13, 1925

Joseph C. Thoma

Commissioner

COLORADO AND NEW MEXICO BOUNDARY

FIELD NOTES AND MAP OF SURVEY

MILE CORNER No. 111

to

MILE CORNER No. 121

THE DARLING LINE, 111TH MILE

Chains

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

81.61 N. 0.8 lks. to the parallel, thence the 111th Mi. Cor. bears N. 62 chs. dist.; altitude observation on the sun for azimuth, July 2 1927, on this determination the true line bears N. 85° 38' W.

REESTABLISHMENT

Thence from the 110th Mi. Cor. N. 85° 38' W., on a reestablishment of the 111th mile.

Ascend along gradual N. slope, through timber and undergrowth.

15.70 Wire fence, bears N. 34° E. and S. 31° W.

37.96 A sandstone, 16x10x6 ins. above ground, firmly set, bears S. 7.5 lks. dist., mkd. C on N., NM on S., and BT Mc 1 on W. face.

Begin gradual descent along N. slope.

58.70 Drain, course N.; begin gradual ascent.

67.21 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Cor. No. 110 + 67.21 Chs., 1868-1925; elevation 9056 ft.;

from which

A white pine, 10 ins. diam., bears N. 23½° W., 1.08 chs. dist., mkd. WP COLO BT.

A white pine, 15 ins. diam., bears S. 28° W., 1.10 chs. dist., mkd. WP NM BT.

The Carpenter 221st Mi. Cor. bears North, 40.57 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove the Carpenter marks COLO-NM-221 M from this monument and literate the marks on the two bearing trees. I did not remove the monument as it is a U. S. Geological Survey Bench Mark stamped 8952; published elevation 8,952.987 ft.

81.87 Darling's 111th Mi. Cor.: a sandstone, 16x12x3 ins., firmly set in mound of stone, top broken off, visible markings M on S., 111 on E., and 68 on W. face.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Cor.

Chains

THE DARLING LINE, 111TH MILE

No. 111, 1868-1925, and build a mound of stone around the monument;

from which

A white pine, 6 ins. diam., bears N. 10° W., 1.22 chs. dist., mkd. COLO 111 M BT.

A white pine, 16 ins. diam., bears S. 62¾° W., 91.5 lks. dist., mkd. NM 111 M BT.

Land, mountainous.

Soil, sandy loam; 3rd rate.

Timber, yellow and white pine, spruce, and aspen; undergrowth, oak and service brush.

THE DARLING LINE, 112TH MILE

RETRACEMENT

Altitude observation on the sun for azimuth July 26, 1927.

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

3.62 N. 0.8 lks. to the parallel; thence the 112th Mi. Cor. bears N. 58.9 lks. dist.; on this determination the true line bears N. 89° 30' W.

REESTABLISHMENT

Thence from the 111th Mi. Cor. N. 89° 30' W., on a reestablishment of the 112th mile.

Ascend gradually along gentle N. slope, through timber and undergrowth.

11.00 Begin gradual descent.

14.00 Construct a concrete monument, in a form 16x24x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 111 + 14 Chs., 1868-1925, and build a mound of stone around the monument; elevation 9109 ft.;

from which

A pine, 12 ins. diam., bears N. 48° W., 11 lks. dist., mkd. WP COLO BT.

A white pine, 8 ins. diam., bears S. 45½° W., 1.00 ch. dist., mkd. WP NM BT.

Chains THE DARLING LINE, 112TH MILE

14.82 Mail route, Tercio, Colorado, to Vermejo Park, New Mexico, bear N. 50 E. and SW.

15.43 Telephone line, bears N. 29 E. and S. 32½ W

23.30 Enter open park.

25.00 Dry lake bed, bears N. about 3 chs. dist.; begin gradual ascent.

30.58 A U. S. Geological Survey Bench Mark bears North, 51.43 chs. dist. a bronze tablet seated in a solid sandstone outcrop, stamped 904 published elevation 9041.730 ft.

35.00 Leave park, enter dense timber and undergrowth, bears N. and S

50.80 Ridge, bears NW. and SE.; descend 280 ft. over steep W. slope.

65.47 The Carpenter 220th Mi. Cor. bears North, 39.09 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove the monument and obliterate the marks on the four bearing trees.

67.90 Arroyo in canon, course S.; ascend 150 ft. over E. slope.

69.30 Old trail, bears N. and S.

70.00 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corr. No. 111 + 70 Chs., 1868-1925, and build a mound of stone around the monument;

from which

A white pine, 15 ins. diam., bears N. 11½ W., 76 lks. dist., mkd. WP COLO BT.

A white pine, 7 ins. diam., bears S. 74 W., 39 lks. dist., mkd. WP NM BT.

78.62 Darling's 112th Mi Cor.; a sandstone, 16x10x7 ins., firmly set in a small mound of stone, mkd. C on N., NM on S., 112 M on E., and 1868 on W. face.

In place of stone

Set a granite stone, 22x14x10 ins., in a concrete base, 18 ins. in the ground, with tablet seated in top of stone marked Mile Corr. No. 112, 1868-1925, and build a mound of stone around the monument;

from which

A pine, 6 ins. diam., bears N. 2 E., 89.5 lks. dist., mkd. CO 112 M BT.

Chains

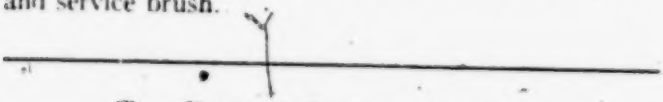
THE DARLING LINE, 112TH MILE

A pine, 8 ins. diam., bears S. 88¾ E., 81 lks. dist., mkd. NM 112 M BT.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, yellow and white pine, spruce and aspen; undergrowth, oak and service brush.



THE DARLING LINE, 113TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

81.61 N. 0.8 lks. to the parallel; thence the 113th Mi. Cor. bears N. 2.763 chs. dist.; on this determination the true line bears N. 88° 04' W.

REESTABLISHMENT

Thence from the 112th Mi. Cor. N. 88° 04' W., on a reestablishment of the 113th mile.

Ascend abrupt E. slope 250 ft., through scattering timber and undergrowth.

2.50 Enter dense timber; leave oak brush, bearing N. and S.

8.40 Spur, slopes S. 30° E.; thence along S. slope.

12.00 Head of drain, course S.

16.50 Six wire fence, bears N. 12° W. and S. 12° E.

17.20 Spur, slopes S.; elevation 9260 ft.; descend gradual W. slope.

31.00 Canon, course S. 50° W.; ascend SE. slope.

38.90 Spur, slopes S.; thence across swale sloping S.

42.30 The Carpenter 219 Mi. Cor. bears North, 37.70 chs. dist.; an iron post, firmly set in ground and mound of stone: I remove this monument and obliterate the marks on the three bearing trees.

43.00 Set a granite stone, 28x27x12 ins., in a concrete base, 20 ins. in the ground, with tablet seated in top of stone marked Mile Corner No. 112 + 43 Chs., 1868-1925, and build a mound of stone around the monument;

Chains THE DARLING LINE, 113TH MILE

from which

A pine, 8 ins. diam., bears N. 51¾° E., 1.69 chs. dist., mkd. WP COLO BT.

A pine, 6 ins. diam., bears S. 56° E., 2.35 chs. dist., mkd. WP NM BT.

44.70 Spur, slopes S.; descend 420 ft. over brushy SW. slope.

65.40 Gulch; course SW. turning to S. 60° W.; ascend SE. slope.

68.90 Spur, slopes S. 40° W.; descend 130 ft. over steep W. slope.

74.10 Spring branch in canon, course S., elevation 8760 ft.; ascend 110 ft. over steep E. slope.

81.66 Darling's 113th Mi. Cor.; a sandstone, 26x12x8 ins., firmly set in a small mound of stone, mkd. COLO on N., NM on S., 113 on E. and indistinct marks on W. face;

from which

A pine, 20 ins. diam., bears N. 36¼° W., 45 lks. dist., mkd. 113 M BT.

A pine, 24 ins. diam., bears S. 4¼° E., 1.03 chs. dist., mkd. 113 M BT.

These trees show a ring count of 23 to 26 years and are not the original bearing trees.

In place of stone

Set a sandstone, 32x12x12 ins., in a concrete base, 20 ins. in the ground with tablet seated in top of stone marked Mile Corr No. 113, 1868-1925, and build a mound of stone around the monument;

from which

A pine, 7 ins. diam., bears N. 44½° E. 30 lks. dist., mkd. COL 113 M BT.

A pine, 7 ins. diam., bears S. 64½° E., 66 lks. dist., mkd. NM 113 M BT.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, intermittent, dense and scattering yellow and white pine, spruce, and aspen; undergrowth, oak and service brush.

THE DARLING LINE, 114TH MILE

Chains

RETRACEMENT

Altitude observation on the sun for azimuth, August 9, 1927. West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.00 N. 0.8 lks. to the parallel; the 114th Mi. Cor. has become obliterated.

147.51 N. 2.7 lks. to the parallel; thence the Darling Astronomical Monument No. 4 bears N. 2.626 chs. dist.; on this determination the true line bears N. 88° 59' W.

REESTABLISHMENT

Thence from the 113th Mi. Cor. N. 88° 59' W., on a reestablishment of the 114th mile.

Ascend 70 ft. over SE. slope, through timber and undergrowth.

9.20 Spur, slopes S. 55° E.; thence along S. slope.

21.00 Small canon, course SE.; ascend 120 ft. over NE. slope.

32.50 Begin descent of gradual W. slope to saddle.

34.00 Saddle at head of small drain, course N. 10° E.; ascend E. slope.

35.00 Set a sandstone, 32x12x10 ins., in a concrete base, 20 ins. in the ground, with tablet seated in top of stone marked Mile Corner No. 113 + 35 Chs., 1868-1925, and build a mound of stone around the monument;

from which

A pine, 8 ins. diam., bears N. 70° E., 40 lks. dist., mkd. WP COLO BT.

A pine, 7 ins. diam., bears S. 51° E., 38 lks. dist., mkd. WP NM BT.

37.20 Short spur, slopes SE.; descend 190 ft. over steep SW. slope.

41.10 Sandstone bluff, 60 ft. high.

44.70 Arroyo in canon, course S.; ascend 270 ft. over SE. slope.

54.15 The Carpenter 218th Mi. Cor. bears North, 36.37 chs. dist.; an iron post, firmly set in a mound of stone; I remove this monument and obliterate the marks on the two bearing trees.

68.70 Spur, slopes SE.; descend 60 ft. over SW. slope.

Chains THE DARLING LINE, 114TH MILE

73.80 Arroyo in canon, course S. turning to S. 27° E.; ascend 40 ft. over SE. slope to corner.

77.71 The proportional point; unable to identify Darling's 114th Mi. Cor. Set a sandstone, 36x16x8 ins., in a concrete base, 22 ins. in the ground, with tablet seated in top of stone marked Mile Corner No. 114, 1868-1925, and build a mound of stone around the monument;

from which

A yellow pine, 12 ins. diam., bears N. 57° E., 1.28 chs. dist., mkd. COLO 114 M BT.

A yellow pine, 8 ins. diam., bears S. 12½° E., 1.51 chs. dist., mkd. NM 114 M BT.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, yellow and white pine, spruce, and aspen; undergrowth, oak and service brush.

THE DARLING LINE, 115TH MILE

REESTABLISHMENT

N. 88° 59′ W., on a reestablishment of the 115th mile.

Ascend 410 ft. over steep SE. slope, through timber and undergrowth.

18.00 Top of high ridge, bears N. 27° E. and S. 27° W., elevation 9520 ft. descend 1000 ft. over steep W. slope.

40.00 Thence along S. side of gulch, course W.

46.67 The Carpenter Astronomical Monument No. 5 bears North, 36.0 chs. dist.; a sandstone, 12x14 ins. x 6 ft., firmly set in ground and mound of stone; I obliterate the marks and bury the stone

60.00 Leave timber and undergrowth, bears N. and S.

63.26 The Carpenter Observing Station No. 5 bears South, 1.04 chs. dist.

66.66 The Carpenter 217th Mi. Cor. bears North, 35.52 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove the monument and obliterate the marks on the four bearing trees.

Chains

THE DARLING LINE, 115TH MILE

69.84 Darling's Astronomical Monument No. 4; a sandstone, 46x16x16 ins., firmly set, mkd. NEW MEXICO on S., 1868 on E., and NM on W. face.

In place of stone

Reset same stone, 30 ins. in the ground, in 12 ins. of concrete with tablet seated in top of stone marked Mile Corner No. 114 + 69.84 Chs., 1868-1925, and build a mound of stone around the monument;

from which

Highest point on sandstone cliff bears N. 63° 27′ W.

Three conical peaks, bearing:

S. 39° 04′ W. to right peak,

S. 27° 05′ W. to middle peak,

S. 19° 15′ W. to left peak.

This corner stands on W. side of old wagon trail from Tercio, Colo., to Costilla, New Mex., bearing N. and S., now abandoned; the monument stands under an E. and W. fence.

RETRACEMENT

Altitude observation on the sun for azimuth, August 12, 1927.

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

8.12 N. 0.0 lks. to the parallel; thence the 115th Mi. Cor. position bears N. 0.7 lks. dist.; on this determination the true line bears N. 89° 57′ W.

REESTABLISHMENT

Thence from Astronomical Monument No. 4 N. 89° 57′ W., continuing the reestablishment of the 115th mile.

4.85 Small stream, 1 lk. wide, in deep arroyo, course S., elevation 8530 ft.; ascend 30 ft. to corner over NE. slope.

8.12 Darling's 115th Mi. Cor. position; a small mound of stone, none marked;

from which

A pine, 16 ins. diam., bears S. 11¾° E., 42 lks. dist., mkd. NM 115 M BT.

This tree has a ring count of 53 years to the markings.

Chains

THE DARLING LINE, 115TH MILE

At position

Set a quartzite stone, 30x16x10 ins., in a concrete base, 20 ins. in the ground, with tablet seated in top of stone marked Mile Corner No. 115, 1858-1925, and build a mound of stone around the monument;

from which

A yellow pine, 24 ins. diam., bears S. 18° E., 98 lks. dist., mkd. NM 115 M BT.

A yellow pine, 15 ins. diam., bears S. 59° W., 76 lks. dist., mkd. NM 115 M BT.

Corner is under an E. and W. fence.

Land, mountainous.

Soil, sandy clay and stony; 3rd rate.

Timber, yellow and white pine, spruce, and aspen; undergrowth, oak and service brush.

THE DARLING LINE, 116TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.00 N. 0.8 lks. to the parallel; thence the 116th Mi. Cor. bears N. 0 lks. dist.; on this determination the true line bears N. 89° 57' W.

REESTABLISHMENT

Thence from the 115th Mi. Cor. N. 89° 57' W., on a reestablishment of the 116th mile.

Ascend gradual NE. slope.

1.92 A sandstone, 20x14x10 ins. above ground, firmly set, bears N. lks. dist., mkd. 17 on N., and CENE BT on E. face.

10.50 Enter timber, bearing S. 85° E. and N.

12.00 Ascend gentle SE. slope.

22.00 Enter undergrowth in timber.

31.30 Spur, slopes S.; descend 120 ft. over SW. slope.

51.00 Leave timber and undergrowth, bears N. and S.; enter valley.

Chains

THE DARLING 1 NE, 116TH MILE

60.00 Set a quartzite stone, 24x20x15 ins., in a concrete base, 18 ins. in the ground, with tablet seated in top of stone marked Mile Corner No. 115 + 60 Chs., 1868-1925, and build a mound of stone around the monument;

from which

A spruce, 9 ins. diam., bears N. 87° W., 3.57 chs. dist., mkd. WP COLO BT.

A spruce, 24 ins. diam., bears S. 74° W., 3.25 chs. dist., mkd. WP NM BT.

62.55 Indian Creek, 10 lks. wide, stone and gravel bottom, course S. turning to S. 30° E., elevation 8660 ft.; enter timber and undergrowth, bears NW. and SE.; ascend 200 ft. over E. slope to corner.

68.45 The Carpenter 216th Mi. Cor. bears North, 34.41 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

70.00 Leave valley; ascend steep E. slope.

80.00 Darling's 116th Mi. Cor.; a granite stone in place, 40x24x24 ins. above ground, mkd. C on N., NM on S., 116 M on E., and 68 on W. face;

from which

A granite boulder, bears N. 60° E., 42 lks. dist., no marks.

I seat a tablet in top of stone marked Mile Corner No. 116, 1868-1925;

from which

A pine, 6 ins. diam., bears N. 36° E., 58 lks. dist., mkd. COLO 116 M BT.

A yellow pine, 21 ins. diam., bears S. 65½° E., 1.09 chs. dist., mkd. NM 116 M BT.

Land, rolling in wide valley.

Soil, sandy clay and stony; 2nd and 3rd rate.

Timber, scattering yellow and white pine, spruce, aspen, and cottonwood; undergrowth, oak brush and willows.

THE DARLING LINE, 117TH MILE

RETRACEMENT

Altitude observation on the sun for azimuth, August 16, 1927.

Chains THE DARLING LINE, 117TH MILE

West, on a retracement of the Darling boundary on a transit lin
describing a tangent.

79.65 N. 0 8 lks. to the parallel; thence the 117th Mi. Cor. position bea
N. 88 lks. dist.; on this determination the true line bears
N. 89° 22′ W.

REESTABLISHMENT

Thence from the 116th Mi. Cor. N. 89° 22′ W., on a reestablishme
of the 117th mile.

Ascend 460 ft. over steep E. and SE. slope, through dense oak brus

13.80 Thence ascend SE. slope.

19.00 Stone wall, bears N. and S.; enter timber, bearing N. and S.; d
scend SW. slope.

23.70 Small draw, course SE.; ascend along S. slope.

39.00 Gulch, course SE.; ascend 180 ft. over SE. slope.

46.30 Ridge, bears N. 39° E. and S. 61° W., elevation 9450 ft.; from th
point a snowy peak bears N. 32° W.; descend 510 ft. over stee
broken W. slope.

62.84 Wire fence, bears N. 55° E. and S. 55° W.

67.19 The Carpenter 215th Mi. Cor. bears North, 32.92 chs. dist.; an ir
post, firmly set in ground and mound of stone; I remove th
monument. The Las Animas and Costilla County Line pas
through this point.

74.60 Deep gulch, course S. 60° W. turning to SW.; ascend steep E. slo

76.00 Spur, slopes SW.; descend W. slope.

76.50 Spring branch in canon, course S. 20° W.; ascend E. slope.

79.66 Darling's 117th Mi. Cor. position: original stone destroyed (Carp
ter 215th Mi.); a small mound of stone and earth;
from which

A pine, 30 ins. diam., bears S. 11° E., 1.73 chs. dist., mkd. N
117 M. These marks were grown over; the "BT" near foot
tree has been obliterated.

A fallen pine, 18 ins. diam., bears N. 10° E., 1.02 chs. dist.;
blaze rotted out.

Chains

The Darling Line, 117th Mile

At position

Set a red sandstone, 36x16x9 ins., in a concrete base, 28 ins. in the ground, with tablet seated in top of stone marked Mile Corner No. 117, 1868-1925, and build a mound of stone around the monument;

from which

A yellow pine, 19 ins. diam., bears N. 4° W., 1.14 chs. dist., mkd. COLO 117 M BT.

A yellow pine, 16 ins. diam., bears S. 64½° E., 1.91 chs. dist., mkd. NM 117 M BT.

Land, mountainous.

Soil, sandy clay and stony; 3rd rate.

Timber, yellow and white pine, spruce, and aspen; undergrowth, oak brush.

The Darling Line, 118th Mile

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

79.91 N. 0.8 lks. to the parallel; thence the 118th Mi. Cor. bears N. 44 lks. dist.; on this determination the true line bears N. 89° 41′ W.

REESTABLISHMENT

Thence from the 117th Mi. Cor. N. 89° 41′ W., on a reestablishment of the 118th mile.

Ascend gradually along S. slope, through timber.

1.40 Spur, slopes S.; descend 140 ft. over SW. slope, enter undergrowth.

14.80 Vermejo Creek, 20 lks. wide, stony bottom, course S. 60° E., elevation 8840 ft.; ascend 160 ft. over NE. slope.

25.00 Spur, slopes N. 75° E.; descend 80 ft. over steep NW. slope covered with dense spruce and aspen.

31.00 Creek, 3 lks. wide, in deep gorge, course E. turning to N. 75° E.

34.00 Creek, course S. 75° E. turning to E.; ascend along S. wall of gorge.

Chains

THE DARLING LINE, 118TH MILE

39.50 Creek, course N. 75° E. turning to E.; ascend 410 ft. over steep broken E. slope to corner.

66.20 The Carpenter 214th Mi. Cor. bears North, 31.75 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove the monument and obliterate the marks on the four bearing trees.

79.91 Darling's 118th Mi. Cor.: a sandstone, 18x12x7 ins., firmly set, mkd. C on N., 118 M on E., and 1868 on W. face.

In place of stone

Set a granite stone, 26x16x14 ins., in a concrete base, 18 ins. in the ground, with tablet seated in top of stone marked Mile Corner No. 118, 1868-1925, and build a mound of stone and earth around the monument;

from which

An aspen, 6 ins. diam., bears N. 52½° E., 62 lks. dist., mkd. COLO 118 M BT.

A spruce, 6 ins. diam., bears S. 60½° E., 79 lks. dist., mkd. NM 118 M BT.

Corner is under an E. and W. fence.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, yellow and white pine, spruce, and aspen; undergrowth, oak and service brush and willows.

THE DARLING LINE, 119TH MILE

RETRACEMENT

Altitude observation on the sun for azimuth, August 21, 1927.

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.00 N. 0.8 lks. to the parallel; the 119th Mi. Cor. has become obliterated.

117.40 Altitude observation on the sun for azimuth, August 24, 1927.

160.00 N. 3.0 lks. to the parallel; the 120th Mi. Cor. has become obliterated.

239.91 N. 6.8 lks. to the parallel; thence the 121st Mi. Cor. bears N. 45° E., 4 lks. dist.; on this determination the true line bears N. 89° 54' W.

The Darling Line, 119th Mile

REESTABLISHMENT

Thence from the 118th Mi. Cor. N. 89° 54′ W., on a reestablishment of the 119th mile.

Ascend 860 ft. over intermittent steep and gradual E. slope, through timber.

51.00 The Carpenter 213.2 Mi. Cor. bears North, 31.84 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

59.70 Spur, slopes N. 20° E.; descend gradual NW. slope.

66.50 Head of drain, course NE.; ascend 170 ft. over NE. slope.

73.70 Basalt stone ledge, 7 ft. high x 10 ft. wide, slopes N.; thence along N. slope.

75.70 Head of drain, course NE.; ascend E. slope.

79.97 The proportional point; unable to identify Darling's 119th Mi. Cor. Set a granite stone, 26x12x9 ins., in a concrete base, 20 ins. in the ground, with tablet seated in top of stone marked Mile Corner No. 119, 1868-1925, and build a mound of stone and earth around the monument;

from which

A spruce, 6 ins. diam., bears N. 15° W., 10 lks. dist., mkd. COLO 119 M BT.

A balsam, 12 ins. diam., bears S. 51½° W., 1.07 chs. dist., mkd. NM 119 M BT.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, spruce and aspen.

The Darling Line, 120th Mile

REESTABLISHMENT

N. 89° 54′ W., on a reestablishment of the 120th mile.

Ascend steep E. slope, through timber.

3.00 Center of stock driveway, bears N. 10° W. and S. 10° E.

7.40 Spur, slopes N., elevation 10,560 ft.; begin gradual descent along NW. slope.

THE DARLING LINE, 120TH MILE

Chains

20.00 Enter dense spruce.

40.91 The Carpenter 212.325 Mi. Cor. bears North 31.32 chs. dist. iron post, firmly set in ground and mound of stone; I remove monument and obliterate the marks on the two bearing trees.

43.00 Thence along gradual N. slope.

49.20 Enter dense willow undergrowth in timber, bearing N. and S.

60.20 Spring branch, 2 lks. wide, course N.; begin gradual ascent of slope.

63.00 Abandoned placer mine bears N. 1.70 chs. dist.

63.70 Spring branch, 2 lks. wide, course NE.; leave willows.

65.45 SE. corner of abandoned placer mine reservoir.

66.40 Old log cabin bears N. 2.41 chs. dist.

69.20 Trail, bears NE. and SW.

78.60 A granite stone, 20x16x6 ins., loosely set, bears S. 22 lks. dist., COLO on N., 120 on S., and NM '01 on W. This is a local cor from which

A spruce, 12 ins. diam., bears N. 74° E., 30 lks. dist., mkd. 12 BT.

A spruce, 14 ins. diam., bears S. 28° W., 33 lks. dist., mkd. 12 BT.

79.97 The proportional point; unable to identify Darling's 120th Mi. Set a quartzite stone, 36x18x10 ins., in a concrete base, 18 ins. in ground, with tablet seated in top of stone marked Mile Co No. 120, 1868-1925, and build a mound of stone and earth aro the monument;

from which

A white spruce, bears N. 43¼° E., 37.5 lks. dist., mkd. CO 120 M BT.

A white spruce, bears S. 15¾° E., 16 lks. dist., mkd. NM 12 BT.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, spruce and aspen; undergrowth, willows.

THE DARLING LINE, 121ST MILE

REESTABLISHMENT

N. 89° 54' W., on a reestablishment of the 121st mile.

Ascend 360 ft. over steep E. slope, through heavy timber.

.90 Wire fence, bears N. 23° W. and S. 20° E.

1.02 Divide between the Canadian and Rio Grande Rivers, bears N. 20° W. and S. 20° E., elevation 10,932 ft. This is the Vermejo and Costilla Divide, and the summit of the Sangre de Cristo Range. The divide is the boundary of the Sangre de Cristo and the Maxwell Grants. It is also the line between Colfax and Taos Counties, New Mexico.

Set a granite stone, 26x13x13 ins., in a concrete base, 18 ins. in the ground, with tablet seated in top of stone marked Mile Corner No. 120 + 39.02 Chs., 1868-1925, and build a mound of stone around the monument;

from which

A spruce, 10 ins. diam., bears N. 34¼° E., 90 lks. dist., mkd. WP COLO BT.

A spruce, 8 ins. diam., bears S. 27½° E., 41 lks. dist., mkd. WP NM BT.

Descend 270 ft. over steep W. slope.

2.52 The Carpenter 211.05 Mi. Cor. bears North, 31.13 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

2.97 Darling's 121st Mi. Cor.; a sandstone, 17x12x9 ins., loosely set, mkd. C on N., NM on S., 121 M on W., and 68 on E. face, and deposited 8 ins. underground, a stone, 6x4x3 ins., mkd. 121 M;

from which

A spruce, 18 ins. diam., bears S. 19¾° E., 17 lks. dist., mkd. NM 121 M BT.

A fir, 12 ins. diam., bears N. 8½° E., 65 lks. dist., mkd. C 121 M BT.

In place of stone

Set a granite stone, 30x24x10 ins., in a concrete base, 18 ins. in the ground, with tablet seated in the top of stone marked Mile Corner No. 121, 1868-1925;

from which

Chains THE DARLING LINE, 121ST MILE

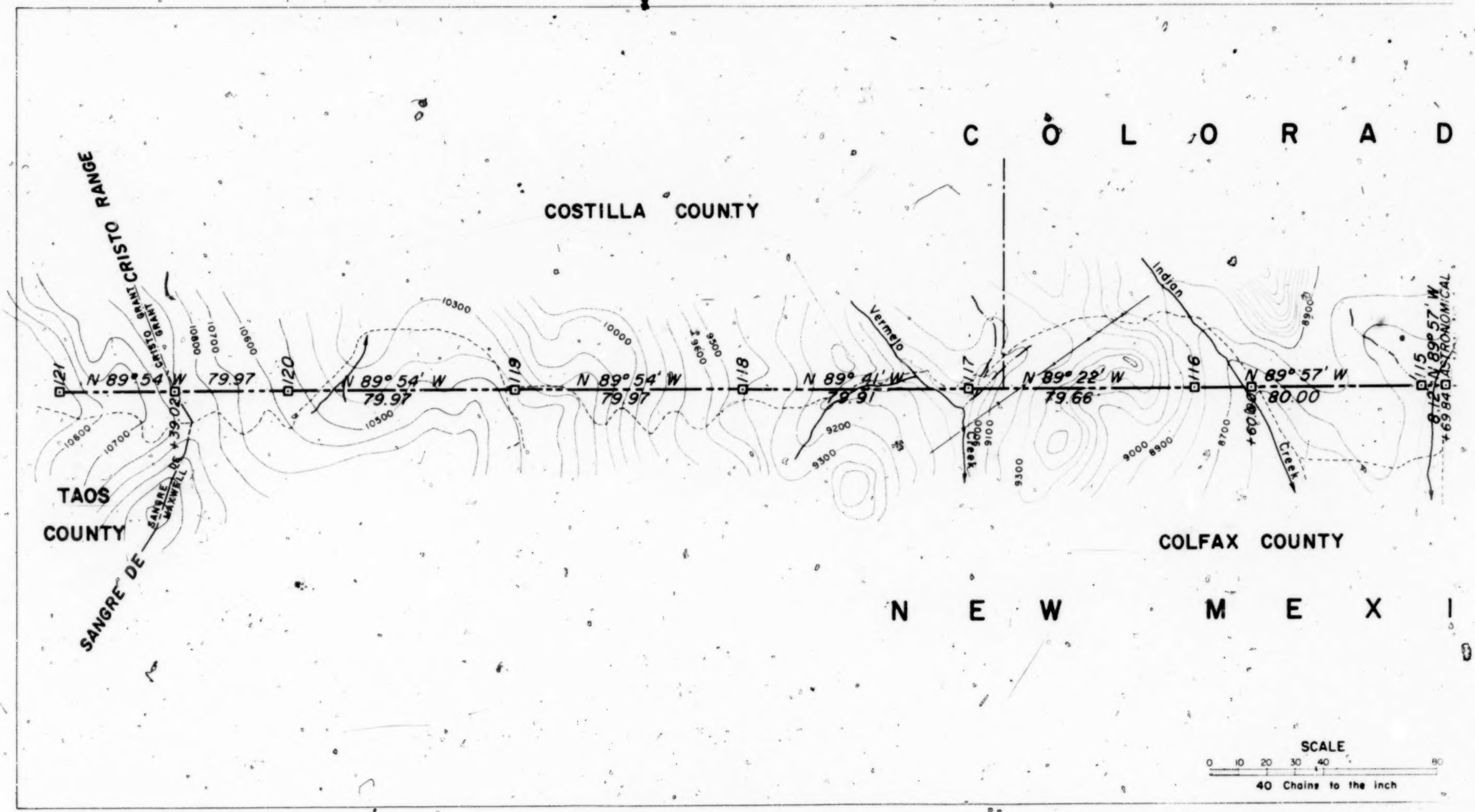
A fir, 10 ins. diam., bears N. 53° W., 36 lks. dist., mkd. COL 121 M BT.

A fir, 12 ins. diam., bears S. 70° W., 81 lks. dist., mkd. NM 121 BT.

Land, mountainous.

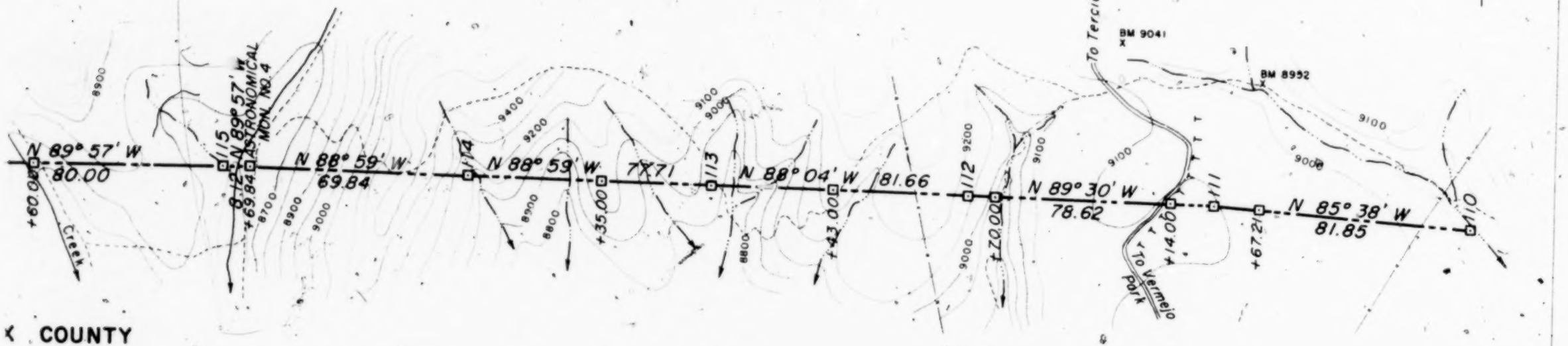
Soil, sandy loam and stony; 3rd rate.

Timber, spruce, fir and aspen.


C O L O R A D
COSTILLA COUNTY
CRISTO GRANT
CRISTO RANGE
121
N 89° 54' W
79.97
120
N 89° 54' W
79.97
119
N 89° 54' W
79.97
118
N 89° 41' W
79.91
117
N 89° 22' W
79.66
116
N 89° 57' W
80.00
115
N 89° 57' W
80.00
+39.02
+69.84
ASTRONOMICAL
Vermejo
Indian
Creek
Creek
10300
10000
9600
9300
9200
9100
9000
8900
8700
10600
10700
10800
TAOS
COUNTY
SANGRE DE
SANGRE DE MAXWELL
COLFAX COUNTY
N E W M E X I
SCALE
0 10 20 30 40 80
40 Chains to the inch

R A D O

LAS ANIMAS COUNTY



COLORADO

EXICO

COUNTY

SCALE

0 20 30 40 80

40 Chains to the inch

COLORADO AND NEW MEXICO BOUNDARY

This plat depicts the boundary line between the States of Colorado and New Mexico as reestablished by the late Arthur D Kidder, Boundary Commissioner, under the Decree (268 U.S. 108) of the Supreme Court of the United States, dated April 13, 1925

Joseph C. Thoma

Commissioner